

MICCAI 2025 PROGRAM OVERVIEW

	23 September, Tuesday (SE Day 1)	24 September, Wednesday					25 September, Thursday					26 September, Friday					27 September, Saturday (SE Day 2)
	DCC 1 - DCC 2 - IBS	DCC 1			DCC II	DCC 1			DCC II	DCC 1			DCC II	DCC 1 - DCC 2 - IBS			
		Main Hall (201-202)	Dual Session (112)	(101-108)	(101-108, 111)		Main Hall (201-202)	Dual Session (112)	(101-108)	Room 301		Main Hall (201-202)	Dual Session (112)	(101-108)	Room 301		
8:00	SE session 1	Opening				Exhibition				CLINICCAI Session1	Exhibition					Exhibition	
8.30							Oral 7	Oral 8					Oral 13	Oral 14			
9.00		Keynote 1 (JH Lee)					Keynote 3 (X Zhao)						Keynote 4 (C Langlotz)				
9.30		Coffee Break @ DCC II					Coffee Break @ DCC II					Coffee Break @ DCC II					
10.00	Coffee Break @ DCC II					Exhibition	Coffee Break @ DCC II					Coffee Break @ DCC II					
10.30	SE session 2	Oral 1	Oral 2							CLINICCAI poster	Poster 2				Poster 4		
11.00		Lunch			(WIM)			Lunch		(MSB)			Lunch	(RISE)			
11.30																	
12.00		Lunch Break	Keynote 2 (H Hong)				Exhibition	Board Candidates Lighthouse Challenge			Session 2	Exhibition	MICCAI2025 Theme Special Session 1			Open Data Initiative	Exhibition
12.30	Oral 3		Oral 4			Oral 9		Oral 10		Coffee Break @ DCC II							
13.00	SE session 3	Coffee Break @ DCC II			Poster 1 / PhD Consortium	Coffee Break @ DCC II			Session 3	Poster 3	MICCAI2025 Theme Special Session 2			Open Data Initiative	Poster 5		
13.30																	
14.00		Oral 5	Oral 6	MSB Panel	Panel 1	Exhibition	Oral 11	Oral 12		CLINICCAI Panel	Exhibition	Awards / Closing					
14.30		SE session 4			MSB Networking												
15.00							Fellow Awards / Gala Dinner @Hanbit 7:00-11:00 PM										
15.30																	
16.00																	
16.30																	
17.00	Welcome Reception																
17.30																	
18.00																	
18.30																	
19.00																	
19.30																	
20.00																	
20.30																	
21.00																	
22.00																	

MICCAI 2025: Main Conference Program

Last update: Aug 25, 2025

Oral and Spotlight Presentations

Oral & Spotlight Session 1: Augmented Reality and Video Generation Wednesday, September 24, 2025, 10:30 to 12:00 Main Hall - DCC1 Building - Room 201/202 Session Chairs: Ruogu Fang, University of Florida, United States Cheng Ouyang, University of Oxford, United Kingdom	Oral & Spotlight Session 2: Language Models - Text and Images Wednesday, September 24, 2025, 10:30 to 12:00 Dual Track Hall - DCC1 Building - Room 112 Session Chairs: Ke Zou, National University of Singapore, Singapore Keewon Shin, University of Ulsan, Asan Medical Center, Republic of Korea
<u>Spotlight Presentations:</u> 3D Dynamic Prediction of Missing Teeth in Diverse Patterns via Centroid-prompted Diffusion Model <i>Authors:</i> Zongrui Ji, Na Li, Peng Xue, Yi Dong, Lei Ma <i>Speaker:</i> Lei Ma, Tongji University, China Multi-expert collaboration and knowledge enhancement network for multimodal emotion recognition <i>Authors:</i> Kun Wang, Junyong Zhao, Liying Zhang, Qi Zhu, Daoqiang Zhang <i>Speaker:</i> Kun Wang, Nanjing University of Aeronautics and Astronautics, China MedGround-R1: Advancing Medical Image Grounding via Spatial-Semantic Rewarded Group Relative Policy Optimization <i>Authors:</i> Huihui Xu, Yuanpeng Nie, Hualiang Wang, Ying Chen, Wei Li, Junzhi Ning, Lihao Liu, Hongqiu Wang, Lei Zhu, Jiyao Liu, Xiaomeng Li, Junjun He <i>Speaker:</i> Huihui Xu, Shanghai AI Lab, China tHPM-LDM: Integrating Individual Historical Record with Population Memory in Latent Diffusion-based Glaucoma Forecasting <i>Authors:</i> Yuheng Fan, Jianyang Xie, Yimin Luo, Yanda Meng, Savita Madhusudhan, Gregory Y.H. Lip, Li Cheng, Yalin Zheng, He Zhao <i>Speaker:</i> Yuheng Fan, University of Liverpool, United Kingdom Lymphoma Prognosis with Lesion-Anatomy Context Fusion and Attention-Based Multi-Lesion Aggregation <i>Authors:</i> Song Zhang, Jiajin Zhang, Liheng Qiu, Wei Liu, Dakai Jin, Le Lu, Shenmiao Yang, Ke Yan <i>Speaker:</i> Ke Yan, DAMO Academy, Alibaba Group, China Occlusion-free 4D Gaussians for Open Surgery Videos Using Multi-Camera Shadowless Lamps <i>Authors:</i> Yuna Kato, Shohei Mori, Hideo Saito, Yoshifumi Takatsume, Hiroki Kajita, Mariko Isogawa <i>Speaker:</i> Mariko Isogawa, Keio University, Japan	<u>Spotlight Presentations:</u> DiffAtlas: GenAI-fying Atlas Segmentation via Image-Mask Diffusion <i>Authors:</i> Hantao Zhang, Yuhe Liu, Jiancheng Yang, Weidong Guo, Xinyuan Wang, Pascal Fua <i>Speaker:</i> Hantao Zhang, EPFL, Switzerland Guiding Registration with Emergent Similarity from Pre-Trained Diffusion Models <i>Authors:</i> Nurislam Tursynbek, Hastings Greer, Başar Demir, Marc Niethammer <i>Speaker:</i> Marc Niethammer, UCSD, United States Global and Local Vision-Language Alignment for Few-Shot Learning and Few-Shot OOD Detection <i>Authors:</i> Jie Yan, Xiaoyuan Guan, Wei-Shi Zheng, Hao Chen, Ruixuan Wang <i>Speaker:</i> Jie Yan, Sun Yat-sen University, China UniMRG: Refining Medical Semantic Understanding Across Modalities via LLM-Orchestrated Synergistic Evolution <i>Authors:</i> Hongyan Xu, Arcot Sowmya, Ian Katz, Dadong Wang <i>Speaker:</i> Hongyan Xu, University of New South Wales, Australia HyperPath: Knowledge-Guided Hyperbolic Semantic Hierarchy Modeling for WSI Analysis <i>Authors:</i> Peixiang Huang, Yanyan Huang, Weiqin Zhao, Junjun He, Lequan Yu <i>Speaker:</i> Peixiang Huang, The University of Hong Kong, Hong Kong SAR Towards Robust Medical Image Referring Segmentation with Incomplete Textual Prompts <i>Authors:</i> Qijie Wang, Xian Lin, Zengqiang Yan <i>Speaker:</i> Xian Lin, Huazhong University of Science and Technology, China

<u>Oral Presentations:</u> Intelligent Virtual Sonographer (IVS): Enhancing Physician-Robot-Patient Communication <i>Authors:</i> Tianyu Song, Feng Li, Yuan Bi, Angelos Karlas, Amir Yousefi, Daniela Branzan, Zhongliang Jiang, Ulrich Eck, Nassir Navab <i>Speaker:</i> Tianyu Song, Technical University of Munich, Germany Ophora: A Large-Scale Data-Driven Text-Guided Ophthalmic Surgical Video Generation Model <i>Authors:</i> Wei Li, Ming Hu, Guoan Wang, Lihao Liu, Kaijing Zhou, Junzhi Ning, Xin Guo, Zongyuan Ge, Lixu Gu, Junjun He <i>Speaker:</i> Wei Li, Shanghai Jiao Tong University, China HieraSurg: Hierarchy-Aware Diffusion Model for Surgical Video Generation <i>Authors:</i> Diego Biagini, Nassir Navab, Azade Farshad <i>Speaker:</i> Diego Biagini, Technical University of Munich, Germany Unsupervised Cardiac Video Translation Via Motion Feature Guided Diffusion Model <i>Authors:</i> Swakshar Deb, Nian Wu, Frederick H. Epstein, Miaomiao Zhang <i>Speaker:</i> Swakshar Deb, University of Virginia, United States HoloPointNet: A Deep Learning Framework for Efficient 3D Point Cloud Holography <i>Authors:</i> Ankit Amrutkar, Ahmet Nazlioglu, Björn Kampa, Volkmar Schulz, Johannes Stegmaier, Markus Rothermel, Dorit Merhof <i>Speaker:</i> Ankit Amrutkar, RWTH Aachen University, Germany Augmented Reality-based Guidance with Deformable Registration in Head and Neck Tumor Resection <i>Authors:</i> Qingyun Yang, Fangjie Li, Jiayi Xu, Zixuan Liu, Sindhura Sridhar, Whitney Jin, Jennifer Du, Jon Heiselman, Michael Miga, Michael Topf, Jie Ying Wu <i>Speaker:</i> Qingyun Yang, Vanderbilt University, United States	<u>Oral Presentations:</u> Historical Report Guided Bi-modal Concurrent Learning for Pathology Report Generation <i>Authors:</i> Ling Zhang, Boxiang Yun, Qingli Li, Yan Wang <i>Speaker:</i> Ling Zhang, East China Normal University, China WSI-Agents: A Collaborative Multi-Agent System for Multi-Modal Whole Slide Image Analysis <i>Authors:</i> Xinheng Lyu, Yuci Liang, Wenting Chen, Meidan Ding, Jiaqi Yang, Guolin Huang, Daokun Zhang, Xiangjian He, Linlin Shen <i>Speaker:</i> Xinheng Lyu, University of Nottingham Ningbo China, China RAPTOR: Generative AI for Parsing Colorectal Cancer Referrals to Streamline Faster Diagnostic Standard Pathways <i>Authors:</i> Sofiat Abioye, Shazad Ashraf, Junaid Qadir, Adam Byfield, Anusha Jose, William Poulett, Ben Wallace, Adil Butt, Colm Forde, Marcus Mottershead, Simon Fallis, Andrew Beggs, Aneel Bhangu, Lukman Akanbi, Muhammad Bilal <i>Speaker:</i> Sofiat Abioye, Birmingham City University, United Kingdom TRRG: Towards Truthful Radiology Report Generation with Cross-modal Disease Clue Enhanced Large Language Models <i>Authors:</i> Yuhao Wang, Yue Sun, Tao Tan, Chao Hao, Yawen Cui, Xinqi Su, Weichen Xie, Linlin Shen, Zitong Yu <i>Speaker:</i> Yuhao Wang, University of Science and Technology of China, China A Multimodal Contrastive Learning for Detecting Aortic Dissection on 3D Non-Contrast CT with Anatomy Simplification <i>Authors:</i> Duoer Zhang, Wenbo Xiao, Chen Jiang, Yuxuan Qiu, Zhan Feng, Hong Wang, Yefeng Zheng, Wentao Zhu <i>Speaker:</i> Duoer Zhang, Zhejiang Lab, China LEAVS: An LLM-based Labeler for Abdominal CT Supervision <i>Authors:</i> Ricardo Bigolin Lanfredi, Yan Zhuang, Mark Finkelstein, Praveen Thoppey Srinivasan Balamuralikrishna, Luke Krembs, Brandon Khoury, Arthi Reddy, Pritam Mukherjee, Neil M. Rofsky, Ronald M. Summers <i>Speaker:</i> Ricardo Bigolin Lanfredi, National Institutes of Health, United States
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Oral Session 3: Image Contextualization and Multimodal Fusion Wednesday, September 24, 2025, 14:30 to 15:30 Main Hall - DCC1 Building - Room 201/202 Session Chairs: Tanveer Syeda-Mahmood, IBM Research & Stanford University, United States Yutong Xie, MBZUAI, United Arab Emirates	Oral Session 4: Detection, Segmentation, and Registration Wednesday, September 24, 2025, 14:30 to 15:30 Dual Track Hall - DCC1 Building - Room 112 Session Chairs: Johannes C. Paetzold, Cornell University, United States Zhe Xu, The Chinese University of Hong Kong, Hong Kong SAR
Multimodal Fusion Network with Distribution-based Tumor-Marker Imputation for Multi-Origin Metastatic Cervical Lymphadenopathy Classification <i>Authors:</i> Rui Li, Chunyan Li, Xi Lin, Jinfeng Xu, Fang Li, Yao Lu <i>Speaker:</i> Rui Li, Sun Yat-sen University, China A Holistic Time-Aware Classification Model for Multimodal Longitudinal Patient Data <i>Authors:</i> Tobias Susetzky, Huaqi Qiu, Rickmer Braren, Daniel Rueckert <i>Speaker:</i> Tobias Susetzky, Technical University of Munich, Germany Deep Association Multimodal Learning for Zero-shot Spatial Transcriptomics Prediction <i>Authors:</i> Yijing Zhou, Yadong Lu, Qingli Li, Xinxing Li, Yan Wang <i>Speaker:</i> Yijing Zhou, East China Normal University, China Blood Pressure Assisted Cerebral Microbleed Segmentation via Meta-matching <i>Authors:</i> Junmo Kwon, Jonghun Kim, Taehyeon Kim, Sang Won Seo, Hwan-ho Cho, Hyunjin Park <i>Speaker:</i> Junmo Kwon, Sungkyunkwan University, Republic of Korea FoundBioNet: A Foundation-Based Model for IDH Genotyping of Glioma from Multi-Parametric MRI <i>Authors:</i> Somayeh Farahani, Marjaneh Hejazi, Antonio Di Ieva, Sidong Liu <i>Speaker:</i> Somayeh Farahani, Macquarie University, Australia	Automated Characterization of Myocardial Scar Topological Patterns for Ventricular Tachycardia Screening <i>Authors:</i> Xicheng Sheng, Yang Zhang, Lei Li, Bailiang Chen, Freddy Odille, Xiahai Zhuang <i>Speaker:</i> Lei Li, National University of Singapore, Singapore Fit Pixels, Get Labels: Meta-Learned Implicit Networks for Image Segmentation <i>Authors:</i> Kushal Vyas, Ashok Veeraraghavan, Guha Balakrishnan <i>Speaker:</i> Kushal Vyas, Rice University, United States HybridMamba: A Dual-domain Mamba for 3D Medical Image Segmentation <i>Authors:</i> Weitong Wu, Zhaohu Xing, Jing Gong, Qin Peng, Lei Zhu <i>Speaker:</i> Weitong Wu, The Hong Kong University of Science and Technology (Guangzhou), China Abnormality-Driven Representation Learning for Radiology Imaging <i>Authors:</i> Marta Ligeró, Tim Lenz, Georg Wölflein, Omar S. M. El Nahhas, Daniel Truhn, Jakob Nikolas Kather <i>Speaker:</i> Marta Ligeró, EKfZ for Digital Health & TU Dresden, Germany MARSeg: Enhancing Medical Image Segmentation with MAR and Adaptive Feature Fusion <i>Authors:</i> Jeonghyun Hwang, Seungyeon Rhee, Minjeong Kim, Thanaporn Viriyasaranon, Jang-Hwan Choi <i>Speaker:</i> Jeonghyun Hwang, Ewha Womans University, Republic of Korea

Oral & Spotlight Session 5: Navigation and Surgical Workflows Wednesday, September 24, 2025, 17:00 to 18:30 Main Hall - DCC1 Building - Room 201/202 Session Chairs: Yueming Jin, National University of Singapore, Singapore Leo Joskowicz, The Hebrew University, Israel	Oral & Spotlight Session 6: Towards Deployment, Bias, Trustworthiness, and Privacy Wednesday, September 24, 2025, 17:00 to 18:30 Dual Track Hall - DCC1 Building - Room 112 Session Chairs: Hongwei Bran Li, National University of Singapore, Singapore Qingjie Meng, University of Birmingham, United Kingdom
<u>Spotlight Presentations:</u> Towards Automated Pediatric Dental Development Staging: A Dataset and Model <i>Authors:</i> Peng Wang, Along He, Anli Wang, Zhenhuan Zhou, Xiaohang Guan, Tao Li <i>Speaker:</i> Peng Wang, Nankai University, China Sequence-Independent Continual Test-Time Adaptation with Mixture of Incremental Experts for Cross-Domain Segmentation <i>Authors:</i> Dunyuan Xu, Yuchen Yuan, Donghao Zhou, Xikai Yang, Jingyang Zhang, Jinpeng Li, Pheng-Ann Heng <i>Speaker:</i> Dunyuan Xu, The Chinese University of Hong Kong, Hong Kong SAR ProgreSpine: Inherently Explainable Prototypical Regression for Spine Age Estimation <i>Authors:</i> Roozbeh Bazargani, Saqib Basar, Sam Hashemi, Siavash Khallaghi <i>Speaker:</i> Sam Hashemi, Prenuvo Inc, Canada MixStyleFlow: Domain Generalization in Medical Image Segmentation using Normalizing Flows <i>Authors:</i> Reza Safdari, Mohammad-Ali Nikouei Mahani, Mohamad Koohi-Moghadam, Kyongtae Tyler Bae <i>Speaker:</i> Reza Safdari, The University of Hong Kong, Hong Kong SAR Deep Learning Framework for Managing Inter-Reader Variability in Background Parenchymal Enhancement Classification for Contrast-Enhanced Mammography <i>Authors:</i> Elodie Ripaud, Clément Jailin, Pablo Milioni de Carvalho, Laurence Vancamberg, Isabelle Bloch <i>Speaker:</i> Elodie Ripaud, GE HealthCare, France FedCLAM: Client Adaptive Momentum with Foreground Intensity Matching for Federated Medical Image Segmentation <i>Authors:</i> Vasilis Siomos, Jonathan Passerat-Palmbach, Giacomo Tarroni <i>Speaker:</i> Vasilis Siomos, City St. George's, University of London, United Kingdom	<u>Spotlight Presentations:</u> VesselVerse: A Dataset and Collaborative Framework for Vessel Annotation <i>Authors:</i> Daniele Falcetta, Vincenzo Marciano, Kaiyuan Yang, Jon Cleary, Loïc Legris, Massimiliano Domenico Rizzaro, Ioannis Pitsiorlas, Hava Chaptoukaev, Benjamin Lemasson, Bjoern Menze, Maria A. Zuluaga <i>Speaker:</i> Daniele Falcetta, EURECOM, France Query-Level Alignment for End-to-End Lesion Detection with Human Gaze <i>Authors:</i> Yan Kong, Zhixiang Peng, Yuan Yin, Yonghao Li, Jiangdong Cai, Sheng Wang, Qian Wang, Yuqi Fang, Caifeng Shan <i>Speaker:</i> Yuqi Fang, Nanjing University, China Bias and Generalizability of Foundation Models across Datasets in Breast Mammography <i>Authors:</i> Elodie Germani, Ilayda Selin-Türk, Fatima Zeineddine, Charbel Mourad, Shadi Albarqouni <i>Speaker:</i> Shadi Albarqouni, University of Bonn, Germany Training-free Test-time Improvement for Explainable Medical Image Classification <i>Authors:</i> Hangzhou He, Jiachen Tang, Lei Zhu, Kaiwen Li, Yanye Lu <i>Speaker:</i> Hangzhou He, Peking University, China A flexible deep learning framework for survival analysis with medical data <i>Authors:</i> Gabriele Campanella, Ida Häggström, Lucas Kook, Torsten Hothorn, Thomas J. Fuchs <i>Speaker:</i> Ida Häggström, Chalmers University of Technology, Sweden MELON: Multimodal Mixture-of-Experts with Spectral-Temporal Fusion for Long-Term MObility EstimatioN in Critical Care <i>Authors:</i> Jiaqing Zhang, Miguel Contreras, Jessica Sena, Andrea Davidson, Yuanfang Ren, Ziyuan Guan, Tezcan Ozrazgat-Baslanti, Tyler J. Loftus, Subhash Nerella, Azra Bihorac, Parisa Rashidi <i>Speaker:</i> Subhash Nerella, University of Florida, United States

<u>Oral Presentations:</u> Towards Markerless Intraoperative Tracking of Deformable Spine Tissue <i>Authors:</i> Connor Daly, Elettra Marconi, Marco Riva, Jinendra Ekanayake, Daniel S. Elson, Ferdinando Rodriguez y Baena <i>Speaker:</i> Connor Daly, Imperial College London, United Kingdom Multi-modal Representations for Fine-grained Multi-label Critical View of Safety Recognition <i>Authors:</i> Britty Baby, Vinkle Srivastav, Pooja P. Jain, Kun Yuan, Pietro Mascagni, Nicolas Padoy <i>Speaker:</i> Britty Baby, University of Strasbourg, France MedAgentSim: Self-Evolving Multi-Agent Simulations for Realistic Clinical Interactions <i>Authors:</i> Mohammad Almansoori, Komal Kumar, Hisham Cholakkal <i>Speaker:</i> Mohammad Almansoori, Mohamed bin Zayed University of Artificial Intelligence, United Arab Emirates EndoMamba: An Efficient Foundation Model for Endoscopic Videos via Hierarchical Pre-training <i>Authors:</i> Qingyao Tian, Huai Liao, Xinyan Huang, Bingyu Yang, Dongdong Lei, Sebastien Ourselin, Hongbin Liu <i>Speaker:</i> Qingyao Tian, Institute of Automation, Chinese Academy of Sciences, China Half-SAM: SAM-based Haustral Fold Detection In Colonoscopy with Debris Suppression and Temporal Consistency <i>Authors:</i> Mayank Golhar, Luojie Huang, Nicholas J. Durr <i>Speaker:</i> Mayank Golhar, Johns Hopkins University, United States SAMSA: Segment Anything Model enhanced with Spectral Angles for Hyperspectral Interactive Medical Image Segmentation <i>Authors:</i> Alfie Roddan, Tobias Czempiel, Chi Xu, Daniel S. Elson, Stamatia Giannarou <i>Speaker:</i> Alfie Roddan, Imperial College London, United Kingdom	<u>Oral Presentations:</u> Maverick: Collaboration-free Federated Unlearning for Medical Privacy <i>Authors:</i> Win Kent Ong, Chee Seng Chan <i>Speaker:</i> Win Kent Ong, Universiti Malaya, Malaysia Variational Visible Layers: A Practical Framework for Uncertainty Estimation <i>Authors:</i> Zeinab Abboud, Herve Lombaert, Samuel Kadoury <i>Speaker:</i> Zeinab Abboud, Polytechnique Montreal, Canada On the Interplay of Human-AI Alignment, Fairness, and Performance Trade-offs in Medical Imaging <i>Authors:</i> Haozhe Luo, Ziyu Zhou, Shelley Zixin Shu, Aurélie Pahud de Mortanges, Robert Berke, Mauricio Reyes <i>Speaker:</i> Haozhe Luo, University of Bern, Switzerland Mutual Information Regularization for Fairness-aware Deep Imaging Representations <i>Authors:</i> Amir Reza Sadri, Thomas DeSilvio, Satish E. Viswanath <i>Speaker:</i> Amir Reza Sadri, Case Western Reserve University, United States Adaptive Frame Selection for Gestational Age Estimation from Blind Sweep Fetal Ultrasound Videos <i>Authors:</i> Tanya Akumu, Marawan Elbatel, Victor M. Campello, Richard Osuala, Carlos Martin-Isla, Ignacio Valenzuela, Xiaomeng Li, Bishesh Khanal, Karim Lekadir <i>Speaker:</i> Tanya Akumu, University of Barcelona, Spain Toward Medical Deepfake Detection: A Comprehensive Dataset and Novel Method <i>Authors:</i> Shuaibo Li, Zhaohu Xing, Hongqiu Wang, Pengfei Hao, Xingyu Li, Zekai Liu, Lei Zhu <i>Speaker:</i> Shuaibo Li, The Hong Kong University of Science and Technology (Guangzhou), China
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Oral Session 7: Data Quality, Restoration, and Super-resolution Thursday, September 25, 2025, 8:30 to 9:30 Main Hall - DCC1 Building - Room 201/202 Session Chairs: Davood Karimi, Harvard Medical School, United States Kyung Sung, University of California, Los Angeles (UCLA), United States	Oral Session 8: Explainability and Interpretability Thursday, September 25, 2025, 8:30 to 9:30 Dual Track Hall - DCC1 Building - Room 112 Session Chairs: Hao Chen, Hong Kong University of Science and Technology, Hong Kong SAR Zulqarnain Gilani, Edith Cowan University, Australia
Directional Adaptive Shuffle-Based Visual State-Space Models for Medical Image Restoration <i>Authors: Simon C. K. Chan, Lulin Shi, Bingxin Huang, Terence T. W. Wong</i> <i>Speaker: Simon C. K. Chan, The Hong Kong University of Science and Technology, Hong Kong SAR</i> Advancing Medical Representation Learning Through High-Quality Data <i>Authors: Negin Baghbanzadeh, Adibvafa Fallahpour, Yasaman Parhizkar, Franklin Ogidi, Shuvendu Roy, Sajad Ashkezari, Vahid Reza Khazaie, Michael Colacci, Ali Etemad, Arash Afkanpour, Elham Dolatabadi</i> <i>Speaker: Negin Baghbanzadeh, York University, Canada</i> BayeSMM: Robust Deep Combined Computing Tackling Heavy-tailed Distribution in Medical Images <i>Authors: Yuanye Liu, Ruoxuan Zhen, Shangqi Gao, Xinzhe Luo, Xin Gao, Qingchao Chen, Xiahai Zhuang</i> <i>Speaker: Yuanye Liu, Fudan University, China</i> TESLA: Test-time Reference-free Through-plane Super-resolution for Multi-contrast Brain MRI <i>Authors: Yoonseok Choi, Sunyoung Jung, Mohammed A. Almasni, Ming-Hsuan Yang, Dong-Hyun Kim</i> <i>Speaker: Yoonseok Choi, Yonsei University, Republic of Korea</i> Robust Deep Learning for Myocardial Scar Segmentation in Cardiac MRI with Noisy Labels <i>Authors: Aida Moafi, Danial Moafi, Evgeny M. Mirkes, Gerry P. McCann, Abbas S. Alatrany, Jayanth Ranjit Arnold, Mostafa Mehdipour Ghazi</i> <i>Speaker: Aida Moafi, University of Leicester, United Kingdom</i>	An Anatomical Significance-Aware Architecture for Explainable Myocardial Infarction Prediction via Multi-Task Learning <i>Authors: Jiachuan Peng, Marcel Beetz, Abhirup Banerjee, Min Chen, Vicente Grau</i> <i>Speaker: Jiachuan Peng, University of Oxford, United Kingdom</i> Uncertainty-Supervised Interpretable and Robust Evidential Segmentation <i>Authors: Yuzhu Li, An Sui, Fuping Wu, Xiahai Zhuang</i> <i>Speaker: An Sui, Fudan University, China</i> Automated Detection of BK Virus in H&E Whole-Slide Images Using Weakly-Supervised Deep Learning and Interpretable Morphological Biomarkers <i>Authors: Sharifa Sahai, Ana D. Ramos-Guerra, Cristina Almagro-Pérez, Guillaume Jaume, Andrew Zhang, Helmut Rennke, Astrid Weins, Juan E. Ortuño, Maria J. Ledesma-Carbayo, Faisal Mahmood</i> <i>Speakers: Sharifa Sahai, Harvard Medical School and Ana D. Ramos-Guerra, Universidad Politécnica de Madrid, Spain</i> X-SiT: Inherently Interpretable Surface Vision Transformers for Dementia Diagnosis <i>Authors: Fabian Bongratz, Tom Nuno Wolf, Jaume Gual Ramon, Christian Wachinger</i> <i>Speaker: Fabian Bongratz, Technical University of Munich, Germany</i> Latent Motion Profiling for Annotation-free Cardiac Phase Detection in Adult and Fetal Echocardiography Videos <i>Authors: Yingyu Yang, Qianye Yang, Kangning Cui, Can Peng, Elena D’Alberti, Netzahualcoyotl Hernandez-Cruz, Olga Patey, Aris T. Papageorghiou, J. Alison Noble</i> <i>Speaker: Yingyu Yang, University of Oxford, United Kingdom</i>

Oral Session 9: Generalizability and Adaptation Thursday, September 25, 2025, 14:30 to 15:30 Main Hall - DCC1 Building - Room 201/202 Session Chairs: Peirong Liu, Johns Hopkins University, United States Guotai Wang, University of Electronic Science and Technology of China, China	Oral Session 10: Multimodal and Longitudinal Prediction Thursday, September 25, 2025, 14:30 to 15:30 Dual Track Hall - DCC1 Building - Room 112 Session Chairs: Jang-Hwan Choi, Ewha Womans University, Republic of Korea Chenyu You, Stony Brook University, United States
tCURLoRA: Tensor CUR Decomposition Based Low-Rank Parameter Adaptation and Its Application in Medical Image Segmentation <i>Authors:</i> Guanghua He, Wangang Cheng, Hancan Zhu, Xiaohao Cai, Gaohang Yu <i>Speaker:</i> Guanghua He, Shaoxing University, China	Multi-scale Attention-based Multiple Instance Learning for Breast Cancer Diagnosis <i>Authors:</i> Mariana Mourão, Jacinto C. Nascimento, Carlos Santiago, Margarida Silveira <i>Speaker:</i> Mariana Mourão, Institute for Systems and Robotics, Instituto Superior Técnico, Portugal
Reverse Imaging for Wide-spectrum Generalization of Cardiac MRI Segmentation <i>Authors:</i> Yidong Zhao, Peter Kellman, Hui Xue, Tongyun Yang, Yi Zhang, Yuchi Han, Orlando Simonetti, Qian Tao <i>Speaker:</i> Yidong Zhao, Delft University of Technology, the Netherlands	Parameterized Diffusion Optimization enabled Autoregressive Ordinal Regression for Diabetic Retinopathy Grading <i>Authors:</i> Qinkai Yu, Wei Zhou, Hantao Liu, Yanyu Xu, Meng Wang, Yitian Zhao, Huazhu Fu, Xujiang Ye, Yalin Zheng, Yanda Meng <i>Speaker:</i> Qinkai Yu, University of Exeter, United Kingdom
Frequency Strikes Back: Boosting Parameter-Efficient Foundation Model Adaptation for Medical Imaging <i>Authors:</i> Son T. Ly, Hien V. Nguyen <i>Speaker:</i> Son T. Ly, University of Houston, United States	Attention-Based Multimodal Deep Learning Model for Post-Stroke Motor Impairment Prediction <i>Authors:</i> Rukiye Karakis, Kali Gurkahraman, Georgios D. Mitsis, Marie-Hélène Boudrias <i>Speaker:</i> Rukiye Karakis, Sivas Cumhuriyet University, Turkey
Tied Prototype Model for Few-Shot Medical Image Segmentation <i>Authors:</i> Hyeongji Kim, Stine Hansen, Michael Kampffmeyer <i>Speaker:</i> Hyeongji Kim, The Arctic University of Norway, Norway	DISCLOSE the Neurodegeneration Dynamics: Individualized ODE Discovery for Alzheimer’s Disease Precision Medicine <i>Authors:</i> Wooseok Jung, Joonhyuk Park, Won Hwa Kim <i>Speaker:</i> Joonhyuk Park, Pohang University of Science and Technology, Republic of Korea
Sparsely Labeled fMRI Data Denoising with Meta-Learning-Based Semi-Supervised Domain Adaptation <i>Authors:</i> Keun-Soo Heo, Ji-Wung Han, Soyeon Bak, Minjoo Lim, Bogyeong Kang, Sang-Jun Park, Weili Lin, Han Zhang, Dinggang Shen, Tae-Eui Kam <i>Speaker:</i> Keun-Soo Heo, Korea University, Republic of Korea	From Pixels to Prognosis: A Multi-Modal Attention-based Framework for Visceral Adipose Tissue Estimation <i>Authors:</i> Arooba Maqsood, Afsah Saleem, Marc Sim, David Suter, Simone Radavelli-Bagatini, Jonathan M. Hodgson, Richard L. Prince, Kun Zhu, William D. Leslie, John T. Schousboe, Joshua R. Lewis, Syed Zulqarnain Gilani <i>Speaker:</i> Arooba Maqsood, Edith Cowan University, Australia

Oral & Spotlight Session 11: Graphs - Learning and Data Thursday, September 25, 2025, 17:00 to 18:30 Main Hall - DCC1 Building - Room 201/202 Session Chairs: Angelica Aviles-Rivero, Tsinghua University, China Jelmer Wolterink, University of Twente, the Netherlands	Oral & Spotlight Session 12: Reconstruction and Synthesis Thursday, September 25, 2025, 17:00 to 18:30 Dual Track Hall - DCC1 Building - Room 112 Session Chairs: Cosmin I. Bercea, Technical University of Munich, Germany Chuyang Ye, Beijing Institute of Technology, China
<u>Spotlight Presentations:</u> PathVG: A New Benchmark and Dataset for Pathology Visual Grounding <i>Authors:</i> Chunlin Zhong, Shuang Hao, Junhua Wu, Xiaona Chang, Jiwei Jiang, Xiu Nie, He Tang, Xiang Bai <i>Speaker:</i> Shuang Hao, Huazhong University of Science and Technology, China Endoscopic Artifact Inpainting for Improved Endoscopic Image Segmentation <i>Authors:</i> Zhangyuan Yu, Chenlin Du, Hongrui Liang, Xiuqi Zheng, Zeyao Ma, Mingjun Wu, Mingwu Ao, Qicheng Lao <i>Speaker:</i> Qicheng Lao, Beijing University of Posts and Telecommunications, China DEFUSE-MS: Deformation Field-Guided Spatiotemporal Graph-Based Framework for Multiple Sclerosis New Lesion Detection <i>Authors:</i> Mostafa Salem, Salma Hassan, Vijay Ram Kumar Papineni, Ayman Elsayed, Mohammad Yaqub <i>Speaker:</i> Mostafa Salem, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates Bipartite Patient-Modality Graph Learning with Event-Conditional Modelling of Censoring for Cancer Survival Prediction <i>Authors:</i> Hailin Yue, Hulin Kuang, Jin Liu, Junjian Li, Lanlan Wang, Mengshen He, Jianxin Wang <i>Speaker:</i> Hailin Yue, Central South University, China Stronger Together: Registering Preoperative Imagery, LUS, and MIS Liver Images <i>Authors:</i> Mohammad Mahdi Kalantari, Erol Ozgur, Mohammad Alkhatib, Navid Rabbani, Yamid Espinel, Richard Modrzejewski, Bertrand Le Roy, Emmanuel Buc, Youcef Mezouar, Adrien Bartoli <i>Speaker:</i> Mohammad Mahdi Kalantari, Clermont-Auvergne INP, France A Novel Streamline-based diffusion MRI Tractography Registration Method with Probabilistic Keypoint Detection <i>Authors:</i> Junyi Wang, Mubai Du, Ye Wu, Yijie Li, William M. Wells III, Lauren J. O'Donnell, Fan Zhang <i>Speaker:</i> Junyi Wang, UESTC, China	<u>Spotlight Presentations:</u> Cross-view Generalized Diffusion Model for Sparse-view CT Reconstruction <i>Authors:</i> Jixiang Chen, Yiqun Lin, Yi Qin, Hualiang Wang, Xiaomeng Li <i>Speaker:</i> Jixiang Chen, The Hong Kong University of Science and Technology, Hong Kong SAR Hallucination-Aware Multimodal Benchmark for Gastrointestinal Image Analysis with Large Vision-Language Models <i>Authors:</i> Bidur Khanal, Sandesh Pokhrel, Sanjay Bhandari, Ramesh Rana, Nikesh Shrestha, Ram B. Gurung, Cristian Linte, Angus Watson, Yash R. Shrestha, Binod Bhattarai <i>Speaker:</i> Binod Bhattarai, Nepal Applied Mathematics and Informatics Institute for Research, Nepal Veriserum: A dual-plane fluoroscopic dataset with knee implant phantoms for deep learning in medical imaging <i>Authors:</i> Jinhao Wang, Florian Vogl, Pascal Schütz, Saša Ćuković, William R. Taylor <i>Speaker:</i> Jinhao Wang, ETH Zürich, Switzerland Unisyn: A Generative Foundation Model for Universal Medical Image Synthesis across MRI, CT and PET <i>Authors:</i> Yulin Wang, Honglin Xiong, Kaicong Sun, Jiameng Liu, Xin Lin, Ziyi Chen, Yuanzhe He, Qian Wang, Dinggang Shen <i>Speaker:</i> Yulin Wang, ShanghaiTech University, China Inter-class separability loss for weakly supervised mutually exclusive multiclass segmentation of brain tumor lesions <i>Authors:</i> Vivek Dhamale, Vaanathi Sundaresan <i>Speaker:</i> Vivek Dhamale, Indian Institute of Science, Bangalore, India Facial Appearance Prediction with Conditional Multi-scale Autoregressive Modeling for Orthognathic Surgical Planning <i>Authors:</i> Jungwook Lee, Xuanang Xu, Daeseung Kim, Tianshu Kuang, Hannah H. Deng, Xinrui Song, Yasmine Soubra, Rohan Dharia, Michael A.K. Liebschner, Jaime Gateno, Pingkun Yan <i>Speaker:</i> Jungwook Lee, Rensselaer Polytechnic Institute, United States

<u>Oral Presentations:</u> Cerebrovascular Diseases Screening from Color Fundus Photography via Cross-View Fusion and Graph-Based Discrimination <i>Authors:</i> Congyu Tian, Shihao Zou, Xiangyun Liao, Cheng Chen, Chubin Ou, Jianping Lv, Shanshan Wang, Weixin Si <i>Speaker:</i> Shihao Zou, Shenzhen Institutes of Advanced Technology, China Multi-Modal Graph-Based Machine Learning for Predicting Surgical Outcome in Epilepsy Patients <i>Authors:</i> Artur Arturi Aharonyan, Syeda Abeera Amir, Nunthasiri Wittayanakorn, Marius George Linguraru, Chima Oluigbo, Syed Muhammad Anwar <i>Speaker:</i> Artur Arturi Aharonyan, Childrens National Hospital, United States SG2VID: Scene Graphs Enable Fine-Grained Control for Video Synthesis <i>Authors:</i> Ssharvien Kumar Sivakumar, Yannik Frisch, Ghazal Ghazaei, Anirban Mukhopadhyay <i>Speaker:</i> Ssharvien Kumar Sivakumar, TU Darmstadt, Germany GLCP: Global-to-Local Connectivity Preservation for Tubular Structure Segmentation <i>Authors:</i> Feixiang Zhou, Zhuangzhi Gao, He Zhao, Jianyang Xie, Yanda Meng, Yitian Zhao, Gregory Y.H. Lip, Yalin Zheng <i>Speaker:</i> Feixiang Zhou, University of Liverpool, United Kingdom pyOpenNFT: an Open-Source Python Framework for ML-based Real-time fMRI and EEG-fMRI Neurofeedback <i>Authors:</i> Ekaterina Antipushina, Nikita Davydov, Riccardo De Feo, Evgeny Prilepin, Artem Nikonorov, Yury Koush <i>Speaker:</i> Ekaterina Antipushina, Skolkovo Institute of Science and Technology, Russia GPU Accelerated Modeling of Cortical Radial and Tangential Connectivity Changes in Neurodegeneration <i>Authors:</i> Hongbo Zhang, Xinyu Nie, Jiaxin Yue, Yuan Li, John Ringman, Yonggang Shi <i>Speaker:</i> Hongbo Zhang, University of Southern California, United States	<u>Oral Presentations:</u> VesselGPT: Autoregressive Modeling of Vascular Geometry <i>Authors:</i> Paula Feldman, Martin Sinnenon, Claudio Delrieux, Viviana Siless, Emmanuel Iarussi <i>Speaker:</i> Paula Feldman, Universidad Torcuato Di Tella, Argentina ClipGS: Clippable Gaussian Splatting for Interactive Cinematic Visualization of Volumetric Medical Data <i>Authors:</i> Chengkun Li, Yuqi Tong, Kai Chen, Zhenya Yang, Ruiyang Li, Shi Qiu, Jason Ying-Kuen Chan, Pheng-Ann Heng, Qi Dou <i>Speaker:</i> Chengkun Li, The Chinese University of Hong Kong, Hong Kong SAR InstructX2X: An Interpretable Local Editing Model for Counterfactual Medical Image Generation <i>Authors:</i> Hyungi Min, Taeseung You, Hangyeul Lee, Yeongjae Cho, Sungzoon Cho <i>Speaker:</i> Hyungi Min, Seoul National University, Republic of Korea UFO-3: Unsupervised Three-Compartment Learning for Fiber Orientation Distribution Function Estimation <i>Authors:</i> Xueqing Gao, Rizhong Lin, Jianhui Feng, Yonggang Shi, Yuchuan Qiao <i>Speaker:</i> Xueqing Gao, Tongji University, China 3D Acetabular Surface Reconstruction from 2D Pre-operative X-ray Images using SRVF Elastic Registration and Deformation Graph <i>Authors:</i> Shuai Zhang, Jinliang Wang, Xu Wang, Sujith Konan, Danail Stoyanov, Evangelos B. Mazomenos <i>Speaker:</i> Shuai Zhang, University College London, United Kingdom Speech Audio Generation from Dynamic MRI via a Knowledge Enhanced Conditional Variational Autoencoder <i>Authors:</i> Yaxuan Li, Han Jiang, Yifei Ma, Shihua Qin, Jonghye Woo, Fangxu Xing <i>Speaker:</i> Yaxuan Li, The University of Hong Kong, Hong Kong SAR
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Oral Session 13: Surgical Data Science Friday, September 26, 2025, 8:30 to 9:30 Main Hall - DCC1 Building - Room 201/202 Session Chairs: Vinkle Srivastav, IHU Strasbourg, University of Strasbourg, France Mobarak I. Hoque, University of Manchester, United Kingdom	Oral Session 14: Missing Data and Weak Supervision Friday, September 26, 2025, 8:30 to 9:30 Dual Track Hall - DCC1 Building - Room 112 Session Chairs: Cheng Chen, The University of Hong Kong, Hong Kong SAR Dmitry Dylov, The Skolkovo Institute of Science and Technology, Russia
Endo-FASt3r: Endoscopic Foundation Model Adaptation for Structure from Motion <i>Authors: Mona Sheikh Zeinoddin, Mobarak I. Hoque, Zafer Tandogdu, Greg L. Shaw, Matthew J. Clarkson, Evangelos B. Mazomenos, Danail Stoyanov</i> <i>Speaker: Mona Sheikh Zeinoddin, UCL Hawkes Institute, University College London, United Kingdom</i> RadGS-Reg: Registering Spine CT with Biplanar X-rays via Joint 3D Radiative Gaussians Reconstruction and 3D/3D Registration <i>Authors: Ao Shen, Xueming Fu, Junfeng Jiang, Qiang Zeng, Ye Tang, Zhengming Chen, Luming Nong, Feng Wang, S. Kevin Zhou</i> <i>Speaker: Ao Shen, Hohai University, China</i> Memory-Augmented SAM2 for Training-Free Surgical Video Segmentation <i>Authors: Ming Yin, Fu Wang, Xujiang Ye, Yanda Meng, Zeyu Fu</i> <i>Speaker: Ming Yin, University of Exeter, United Kingdom</i> Endo3R: Unified Online Reconstruction from Dynamic Monocular Endoscopic Video <i>Authors: Jiaxin Guo, Wenzhen Dong, Tianyu Huang, Hao Ding, Ziyi Wang, Haomin Kuang, Qi Dou, Yun-Hui Liu</i> <i>Speaker: Jiaxin Guo, The Chinese University of Hong Kong, Hong Kong SAR</i> Mamba Guided Boundary Prior Matters: A New Perspective for Generalized Polyp Segmentation <i>Authors: Tapas K. Dutta, Snehashis Majhi, Deepak Ranjan Nayak, Debesh Jha</i> <i>Speaker: Deepak Ranjan Nayak, Malaviya National Institute of Technology Jaipur, India</i>	ReCo-I2P: An Incomplete Supervised Lymph Node Segmentation Framework Based on Orthogonal Partial-instance Annotation <i>Authors: Litingyu Wang, Ping Ye, Wenjun Liao, Shichuan Zhang, Shaoting Zhang, Guotai Wang</i> <i>Speaker: Litingyu Wang, University of Electronic Science and Technology of China, China</i> Tree-based Semantic Losses: Application to Sparsely-supervised Large Multi-class Hyperspectral Segmentation <i>Authors: Junwen Wang, Oscar Maccormac, William Rochford, Aaron Kujawa, Jonathan Shapey, Tom Vercauteren</i> <i>Speaker: Junwen Wang, King's College London, United Kingdom</i> Towards Globally Predictable k-Space Interpolation: A White-box Transformer Approach <i>Authors: Chen Luo, Qiyu Jin, Taofeng Xie, Xuemei Wang, Huayu Wang, Congcong Liu, Liming Tang, Guoqing Chen, Zhuo-Xu Cui, Dong Liang</i> <i>Speaker: Chen Luo, Inner Mongolia University, China</i> Anatomical Graph-based Multilevel Distillation for Robust Alzheimer’s Disease Diagnosis with Missing Modalities <i>Authors: Fei Liu, Huabin Wang, Mohamed Hisham Jaward, Shiuan-Ni Liang, Huey Fang Ong, Jiayuan Cheng</i> <i>Speaker: Fei Liu, Monash University Malaysia, Malaysia</i> DC-Seg: Disentangled Contrastive Learning for Brain Tumor Segmentation with Missing Modalities <i>Authors: Haitao Li, Ziyu Li, Yiheng Mao, Zhengyao Ding, Zhengxing Huang</i> <i>Speaker: Haitao Li, Zhejiang University, China</i>

MICCAI 2025 Main Conference Poster Session Assignment (Revised August 27, 2025)

Paper ID	Poster Session	Poster Board (Revised)	Paper Title
2	Poster Session 1	A346 (Wed-PM)	Surface-based Multi-Axis Longitudinal Disentanglement Using Contrastive Learning for Alzheimer's Disease <i>Authors: Jianwei Zhang, Yonggang Shi</i> <i>Presenter: Yonggang Shi, University of Southern California, United States</i>
5	Poster Session 1	C31 (Wed-PM)	Restyled, Tuning, and Alignment: Taming VLMs for Federated Non-IID Medical Image Analysis <i>Authors: Shengchao Chen, Ting Shu</i> <i>Presenter: Ting Shu, Shenzhen University, China</i>
14	Poster Session 3	B3 (Thu-PM)	tCURLoRA: Tensor CUR Decomposition Based Low-Rank Parameter Adaptation and Its Application in Medical Image Segmentation <i>Authors: Guanghua He, Wangang Cheng, Hancan Zhu, Xiaohao Cai, Gaohang Yu</i> <i>Presenter: Guanghua He, Shaoxing University, China</i>
19	Poster Session 3	A303 (Thu-PM)	Conservative-Radical Complementary Learning for Class-incremental Medical Image Analysis with Pre-trained Foundation Models <i>Authors: Xinyao Wu, Zhe Xu, Donghuan Lu, Jinghan Sun, Hong Liu, Sadia Shakil, Jiawei Ma, Yefeng Zheng, Raymond Kai-yu Tong</i> <i>Presenters: Xinyao Wu and Zhe Xu, The Chinese University of Hong Kong, Hong Kong SAR</i>
29	Poster Session 5	A25 (Fri-PM)	Multi-Masked Querying Network for Robust Emotion Recognition from Incomplete Multi-Modal Physiological Signals <i>Authors: Geng-Xin Xu, Xiang Zuo, Ye Li</i> <i>Presenter: Geng-Xin Xu, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China</i>
33	Poster Session 4	A359 (Fri-AM)	Cross-view Generalized Diffusion Model for Sparse-view CT Reconstruction <i>Authors: Jixiang Chen, Yiqun Lin, Yi Qin, Hualiang Wang, Xiaomeng Li</i> <i>Presenter: Jixiang Chen, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
34	Poster Session 3	B38 (Thu-PM)	CardiacCLIP: Video-based CLIP Adaptation for LVEF Prediction in a Few-shot Manner <i>Authors: Yao Du, Jiarong Guo, Xiaomeng Li</i> <i>Presenter: Yao Du, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
35	Poster Session 3	B43 (Thu-PM)	Geometric-Guided Few-Shot Dental Landmark Detection with Human-Centric Foundation Model <i>Authors: Anbang Wang, Marawan Elbatel, Keyuan Liu, Lizhuo Lin, Meng Lan, Yanqi Yang, Xiaomeng Li</i> <i>Presenter: Anbang Wang, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
42	Poster Session 3	B48 (Thu-PM)	MOC: Meta-Optimized Classifier for Few-Shot Whole Slide Image Classification <i>Authors: Tianqi Xiang, Yi Li, Qixiang Zhang, Xiaomeng Li</i> <i>Presenter: Tianqi Xiang, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
49	Poster Session 1	C36 (Wed-PM)	Learning Segmentation from Radiology Reports <i>Authors: Pedro R. A. S. Bassi, Wenxuan Li, Jieneng Chen, Zheren Zhu, Tianyu Lin, Sergio Decherchi, Andrea Cavalli, Kang Wang, Yang Yang, Alan L. Yuille, Zongwei Zhou</i> <i>Presenter: Pedro R. A. S. Bassi, University of Bologna, Italy and Johns Hopkins University, United States</i>

57	Poster Session 3	C43 (Thu-PM)	MurreNet: Modeling Holistic Multimodal Interactions Between Histopathology and Genomic Profiles for Survival Prediction <i>Authors: Mingxin Liu, Chengfei Cai, Jun Li, Pengbo Xu, Jinze Li, Jiquan Ma, Jun Xu</i> <i>Presenter: Mingxin Liu, Nanjing University of Information Science and Technology, China</i>
82	Poster Session 3	C48 (Thu-PM)	Opportunistic Osteoporosis Diagnosis via Texture-Preserving Self-Supervision, Mixture of Experts and Multi-Task Integration <i>Authors: Jiaxing Huang, Heng Guo, Le Lu, Fan Yang, Minfeng Xu, Ge Yang, Wei Luo</i> <i>Presenter: Jiaxing Huang, Institute of Automation, Chinese Academy of Sciences, China</i>
83	Poster Session 1	C41 (Wed-PM)	Vision-Amplified Semantic Entropy for Hallucination Detection in Medical Visual Question Answering <i>Authors: Zehui Liao, Shishuai Hu, Ke Zou, Huazhu Fu, Liangli Zhen, Yong Xia</i> <i>Presenter: Zehui Liao, Northwestern Polytechnical University, China</i>
87	Poster Session 2	B282 (Thu-AM)	VesselVerse: A Dataset and Collaborative Framework for Vessel Annotation <i>Authors: Daniele Falchetta, Vincenzo Marciano, Kaiyuan Yang, Jon Cleary, Loïc Legris, Massimiliano Domenico Rizzaro, Ioannis Pitsiorlas, Hava Chaptoukaev, Benjamin Lemasson, Bjoern Menze, Maria A. Zuluaga</i> <i>Presenter: Daniele Falchetta, EURECOM, France</i>
110	Poster Session 4	C154 (Fri-AM)	Structure-aware MRI Translation: Multi-Modal Latent Diffusion Model with Arbitrary Missing Modalities <i>Authors: Xinzhe Zhang, Junjie Liang, Peng Cao, Jinzhu Yang, Osmar R. Zaiane</i> <i>Presenter: Osmar Zaiane, Northeastern University, China</i>
115	Poster Session 2	B27 (Thu-AM)	Towards Automated Pediatric Dental Development Staging: A Dataset and Model <i>Authors: Peng Wang, Along He, Anli Wang, Zhenhuan Zhou, Xiaohang Guan, Tao Li</i> <i>Presenter: Peng Wang, Nankai University, China</i>
118	Poster Session 5	B40 (Fri-PM)	Hierarchical Characterization of Brain Dynamics via State Space-based Vector Quantization <i>Authors: Yanwu Yang, Thomas Wolfers</i> <i>Presenter: Yanwu Yang, University of Tübingen, Germany</i>
139	Poster Session 3	C53 (Thu-PM)	Multi-modal Knowledge Decomposition based Online Distillation for Biomarker Prediction in Breast Cancer Histopathology <i>Authors: Qibin Zhang, Xinyu Hao, Qiao Chen, Rui Xu, Fengyu Cong, Cheng Lu, Hongming Xu</i> <i>Presenter: Hongming Xu, Dalian University of Technology, China</i>
146	Poster Session 4	C39 (Fri-AM)	Adapting Foundation Model for Dental Caries Detection with Dual-View Co-Training <i>Authors: Tao Luo, Han Wu, Tong Yang, Dinggang Shen, Zhiming Cui</i> <i>Presenter: Tao Luo, ShanghaiTech University, China</i>
161	Poster Session 5	B45 (Fri-PM)	A novel Fourier Adjacency Transformer for advanced EEG emotion recognition <i>Authors: Jinfeng Wang, Yanhao Huang, Sifan Song, Boqian Wang, Jionglong Su, Jiaman Ding</i> <i>Presenter: Jinfeng Wang, Kunming University of Science and Technology, China</i>
169	Poster Session 5	A315 (Fri-PM)	A Causal-holistic Adaptive Intervention Network for Tailoring Automated Coronary Artery Disease Diagnosis to Individual Patients <i>Authors: Xinghua Ma, Xingyu Qiu, Yuetan Chu, Kuanquan Wang, Zhaowen Qiu, Gongning Luo, Xin Gao</i> <i>Presenter: Xinghua Ma, Harbin Institute of Technology, China</i>
172	Poster Session 2	B267 (Thu-AM)	Mono-Modalizing Extremely Heterogeneous Multi-Modal Medical Image Registration <i>Authors: Kyobin Choo, Hyunkyung Han, Jinyeong Kim, Chanyong Yoon, Seong Jae Hwang</i> <i>Presenter: Kyobin Choo, Yonsei University, Republic of Korea</i>

177	Poster Session 1	C46 (Wed-PM)	Cervical-RG: Automated Cervical Cancer Report Generation from 3D Multi-sequence MRI via CoT-guided Hierarchical Experts <i>Authors: Hanwen Zhang, Yu Long, Yimeng Fan, Yu Wang, Zhaoyi Zhan, Sen Wang, Yuncheng Jiang, Rui Sun, Zheng Xing, Zhen Li, Xiaohui Duan, Weibing Zhao</i> <i>Presenter: Hanwen Zhang, Beijing Institute of Technology, China</i>
179	Poster Session 5	C20 (Fri-PM)	Anatomy-based Self-supervised Pre-training for Scale-robust Hierarchical Representations in Chest X-rays <i>Authors: Surong Chu, Yan Qiang, Guohua Ji, Xueting Ren, Lijing Zhang, Baoping Jia, Yangyang Wei, Juanjuan Zhao, Shuo Li</i> <i>Presenter: Surong Chu, Taiyuan University of Technology, China</i>
184	Poster Session 3	B53 (Thu-PM)	SPENet: Self-guided Prototype Enhancement Network for Few-shot Medical Image Segmentation <i>Authors: Chao Fan, Xibin Jia, Anqi Xiao, Hongyuan Yu, Zhenghan Yang, Dawei Yang, Hui Xu, Yan Huang, Liang Wang</i> <i>Presenter: Chao Fan, Beijing University of Technology, China</i>
187	Poster Session 1	B1 (Wed-PM)	Blood Pressure Assisted Cerebral Microbleed Segmentation via Meta-matching <i>Authors: Junmo Kwon, Jonghun Kim, Taehyeon Kim, Sang Won Seo, Hwan-ho Cho, Hyunjin Park</i> <i>Presenter: Junmo Kwon, Sungkyunkwan University, Republic of Korea</i>
196	Poster Session 2	A22 (Thu-AM)	NeuroXVocal: Detection and Explanation of Alzheimer's Disease through Non-invasive Analysis of Picture-prompted Speech <i>Authors: Nikolaos Ntampakis, Konstantinos Diamantaras, Ioanna Chouvarda, Magda Tsolaki, Panagiotis Sarigiannidis, Vasileios Argyriou</i> <i>Presenter: Nikolaos Ntampakis, International Hellenic University, Greece</i>
197	Poster Session 3	B58 (Thu-PM)	Treat: A Unified Text-guided Conditioned Deep Learning Model for Generalized Radiotherapy Treatment Planning <i>Authors: Sangwook Kim, Yuan Gao, Thomas G. Purdie, Chris McIntosh</i> <i>Presenter: Sangwook Kim, University of Toronto, Canada</i>
208	Poster Session 2	C37 (Thu-AM)	Segmenting Vessels Encapsulating Tumor Clusters via Fine-Grained Visual Prompt <i>Authors: Jiahui Yu, Tianyu Ma, Shenjian Gu, Yuping Guo, Feng Chen, Xiaoxiao Li, Yingke Xu</i> <i>Presenter: Jiahui Yu, Zhejiang University, Hangzhou</i>
219	Poster Session 2	C82 (Thu-AM)	Spatiotemporal-Sensitive Network for Microvascular Obstruction Segmentation from Cine Cardiac Magnetic Resonance <i>Authors: Yang Yu, Christopher Kok, Jiahao Wang, Jun Cheng, Shuang Leng, Ru San Tan, Liang Zhong, Xulei Yang</i> <i>Presenter: Jun Cheng, Institute for Infocomm Research (I2R), Agency for Science, Technology and Research (A*STAR), Singapore</i>
227	Poster Session 2	C87 (Thu-AM)	Pairwise-Constrained Implicit Functions for 3D Human Heart Modeling <i>Authors: Hieu Le, Jingyi Xu, Nicolas Talabot, Jiancheng Yang, Pascal Fua</i> <i>Presenter: Nicolas Talabot, The École Polytechnique Fédérale de Lausanne, Switzerland</i>
228	Poster Session 2	C77 (Thu-AM)	DiffAtlas: GenAI-fying Atlas Segmentation via Image-Mask Diffusion <i>Authors: Hantao Zhang, Yuhe Liu, Jiancheng Yang, Weidong Guo, Xinyuan Wang, Pascal Fua</i> <i>Presenter: Hantao Zhang, The École Polytechnique Fédérale de Lausanne, Switzerland</i>
232	Poster Session 2	B287 (Thu-AM)	UDPET: Ultra-low Dose PET Imaging Challenge Dataset <i>Authors: Song Xue, Hanzhong Wang, Yizhou Chen, Fanxuan Liu, Hong Zhu, Marco Viscione, Rui Guo, Axel Rominger, Biao Li, Kuangyu Shi</i> <i>Presenter: Yizhou Chen, University of Bern, Switzerland</i>

234	Poster Session 4	B109 (Fri-AM)	SG2VID: Scene Graphs Enable Fine-Grained Control for Video Synthesis <i>Authors: Ssharvien Kumar Sivakumar, Yannik Frisch, Ghazal Ghazaei, Anirban Mukhopadhyay</i> <i>Presenter: Ssharvien Kumar Sivakumar, Technische Universität Darmstadt, Germany</i>
247	Poster Session 2	A267 (Thu-AM)	PRAD: Periapical Radiograph Analysis Dataset and Benchmark Model Development <i>Authors: Zhenhuan Zhou, Yuchen Zhang, Ruihong Xu, Xuansen Zhao, Tao Li</i> <i>Presenter: Zhenhuan Zhou, Nankai University, China</i>
248	Poster Session 1	C6 (Wed-PM)	Location-Guided Automated Lesion Captioning in Whole-body PET/CT Images <i>Authors: Mingyang Yu, Yaozong Gao, Yiran Shu, Yanbo Chen, Jingyu Liu, Caiwen Jiang, Kaicong Sun, Zhiming Cui, Weifang Zhang, Yiqiang Zhan, Xiang Sean Zhou, Shaonan Zhong, Xinlu Wang, Meixin Zhao, Dinggang Shen</i> <i>Presenter: Mingyang Yu, ShanghaiTech University, China</i>
251	Poster Session 1	B26 (Wed-PM)	MrTrack: Register Mamba for Needle Tracking with Rapid Reciprocating Motion during Ultrasound-Guided Aspiration Biopsy <i>Authors: Yuelin Zhang, Qingpeng Ding, Long Lei, Yongxuan Feng, Raymond Shing-Yan Tang, Shing Shin Cheng</i> <i>Presenter: Yuelin Zhang, The Chinese University of Hong Kong, Hong Kong SAR</i>
252	Poster Session 2	A27 (Thu-AM)	IP-CRR: Information Pursuit for Interpretable Classification of Chest Radiology Reports <i>Authors: Yuyan Ge, Kwan Ho Ryan Chan, Pablo Messina, René Vidal</i> <i>Presenter: Pablo Messina, Pontifical Catholic University of Chile, Chile</i>
253	Poster Session 5	B50 (Fri-PM)	Concept-induced Graph Perception Model for Interpretable Diagnosis <i>Authors: Lei Zhao, Changjian Chen, Bin Pu, Xiaoming Qi, Fengfeng Peng, Chunlian Wang, Kenli Li, Guanghua Tan</i> <i>Presenter: Lei Zhao, Hunan University, China</i>
254	Poster Session 1	B31 (Wed-PM)	Cycle Context Verification for In-Context Medical Image Segmentation <i>Authors: Shishuai Hu, Zehui Liao, Liangli Zhen, Huazhu Fu, Yong Xia</i> <i>Presenter: Shishuai Hu, Northwestern Polytechnical University, China</i>
260	Poster Session 4	B19 (Fri-AM)	Conformal forecasting for surgical instrument trajectory <i>Authors: Sara Sangalli, Gary Sarwin, Ertunc Erdil, Carlo Serra, Alessandro Carretta, Victor Staartjes, Ender Konukoglu</i> <i>Presenter: Sara Sangalli, ETH Zürich, Switzerland</i>
264	Poster Session 4	C44 (Fri-AM)	Physics informed guided diffusion for accelerated multi-parametric MRI reconstruction <i>Authors: Perla Mayo, Carolin M. Pirkel, Alin Achim, Bjoern Menze, Mohammad Golbabaee</i> <i>Presenter: Perla Mayo, University of Bristol, United Kingdom</i>
267	Poster Session 3	B63 (Thu-PM)	EchoingECG: An Electrocardiogram Cross-Modal Model for Echocardiogram Tasks <i>Authors: Yuan Gao, Sangwook Kim, Chris McIntosh</i> <i>Presenter: Yuan Gao, University Health Network, Canada</i>
269	Poster Session 2	B32 (Thu-AM)	MAGO-SP: Detection and Correction of Water-Fat Swaps in Magnitude-Only VIBE MRI <i>Authors: Robert Graf, Hendrik Möller, Sophie Starck, Matan Atad, Philipp Braun, Jonathan Stelter, Annette Peters, Lilian Krist, Stefan N. Willich, Henry Völzke, Robin Bülow, Tobias Pischon, Thoralf Niendorf, Johannes C. Paetzold, Dimitrios Karampinos, Daniel Rueckert, Jan Kirschke</i> <i>Presenter: Robert Graf, TUM University Hospital, Germany</i>

276	Poster Session 4	C49 (Fri-AM)	Mesh4D: A Motion-Aware Multi-View Variational Autoencoder for 3D+t Mesh Reconstruction <i>Authors: Mengyun Qiao, Jin Zheng, Weitong Zhang, Qiang Ma, Liu Li, Bernhard Kainz, Declan P. O'Regan, Paul M. Matthews, Steven Niederer, Wenjia Bai</i> <i>Presenter: Mengyun Qiao, University College London, United Kingdom</i>
279	Poster Session 3	B68 (Thu-PM)	ConStyX: Content Style Augmentation for Generalizable Medical Image Segmentation <i>Authors: Xi Chen, Zhiqiang Shen, Peng Cao, Jinzhu Yang, Osmar R. Zaiane</i> <i>Presenter: Osmar Zaiane, Northeastern University, China</i>
283	Poster Session 2	A32 (Thu-AM)	Spatial regularisation for improved accuracy and interpretability in keypoint-based registration <i>Authors: Benjamin Billot, Ramya Muthukrishnan, Esra Abaci Turk, P. Ellen Grant, Nicholas Ayache, Hervé Delingette, Polina Golland</i> <i>Presenter: Benjamin Billot, Inria, Epione team, France</i>
297	Poster Session 1	C56 (Wed-PM)	MCA-RG: Enhancing LLMs with Medical Concept Alignment for Radiology Report Generation <i>Authors: Qilong Xing, Zikai Song, Youjia Zhang, Na Feng, Junqing Yu, Wei Yang</i> <i>Presenter: Qilong Xing, Huazhong University of Science and Technology, China</i>
301	Poster Session 3	C58 (Thu-PM)	Cross-Modality Masked Learning for Survival Prediction in ICI Treated NSCLC Patients <i>Authors: Qilong Xing, Zikai Song, Bingxin Gong, Lian Yang, Junqing Yu, Wei Yang</i> <i>Presenter: Qilong Xing, Huazhong University of Science and Technology, China</i>
304	Poster Session 4	C54 (Fri-AM)	UNSURF: Uncertainty Quantification for Cortical Surface Reconstruction of Clinical Brain MRIs <i>Authors: Karthik Gopinath, Raghav Mehta, Ben Glocker, Juan Eugenio Iglesias</i> <i>Presenter: Raghav Mehta, Imperial College London, United Kingdom</i>
308	Poster Session 1	C61 (Wed-PM)	μ2 Tokenizer: Differentiable Multi-Scale Multi-Modal Tokenizer for Radiology Report Generation <i>Authors: Siyou Li, Pengyao Qin, Huanan Wu, Dong Nie, Arun J. Thirunavukarasu, Juntao Yu, Le Zhang</i> <i>Presenter: Siyou Li, Queen Mary University of London, United Kingdom</i>
313	Poster Session 2	C92 (Thu-AM)	Learning with Explicit Topological Priors for Chest X-ray Rib Segmentation <i>Authors: Xiaowei Zhao, Chenglong Li, Jin Tang, Chuanfu Li</i> <i>Presenter: Xiaowei Zhao, Anhui University, China</i>
315	Poster Session 5	C30 (Fri-PM)	ADA: An Adaptive Augmentation Framework for Single-Source Domain Generalization in Medical Image Segmentation <i>Authors: Runlin Huang, Hongmin Cai, Weipeng Zhuo, Shangyan Cai, Haowei Lin, Wentao Fan, Weifeng Su</i> <i>Presenter: Runlin Huang, Beijing Normal-Hong Kong Baptist University, China</i>
317	Poster Session 2	C97 (Thu-AM)	EFFDNet: A Scribble-Supervised Medical Image Segmentation Method with Enhanced Foreground Feature Discrimination <i>Authors: Jinhua Liu, Shu Yun Tan, Xulei Yang, Yanwu Xu, Si Yong Yeo</i> <i>Presenter: Jinhua Liu, Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore</i>
318	Poster Session 5	A30 (Fri-PM)	Iterative Foundation-Dedicated Learning: Optimized Key Frames, Prompts and Memories for Semi-Supervised Segmentation <i>Authors: Ziman Yin, Dong Nie, Shuo Li, Junjun Pan, Zhenyu Tang</i> <i>Presenter: Ziman Yin, Beihang University, China</i>
326	Poster Session 1	B36 (Wed-PM)	Adaptive Spatial Transcriptomics Interpolation via Cross-modal Cross-slice Modeling <i>Authors: Ningfeng Que, Xiaofei Wang, Jingjing Chen, Yixuan Jiang, Chao Li</i> <i>Presenter: Ningfeng Que, University of Dundee, United Kingdom</i>

333	Poster Session 4	C59 (Fri-AM)	Sparse Reconstruction of Optical Doppler Tomography with Alternative State Space Model and Attention <i>Authors: Zhenghong Li, Jiaxiang Ren, Wensheng Cheng, Yanzuo Liu, Congwu Du, Yingtian Pan, Haibin Ling</i> <i>Presenter: Haibin Ling, Stony Brook University, United States</i>
335	Poster Session 1	C66 (Wed-PM)	Text-driven Multiplanar Visual Interaction for Semi-supervised Medical Image Segmentation <i>Authors: Kaiwen Huang, Yi Zhou, Huazhu Fu, Yizhe Zhang, Chen Gong, Tao Zhou</i> <i>Presenter: Kaiwen Huang, Nanjing University of Science and Technology, China</i>
340	Poster Session 5	B55 (Fri-PM)	PRGNN: Pyramidal Region Graph Neural Network for Region-Based Brain PET Classification <i>Authors: Daesung Kim, Seungbeom Seo, Boosung Kim, Kyobin Choo, Youngjun Jun, Mijin Yun</i> <i>Presenter: Seungbeom Seo, Yonsei University, Republic of Korea</i>
343	Poster Session 2	B272 (Thu-AM)	TESLA: Test-time Reference-free Through-plane Super-resolution for Multi-contrast Brain MRI <i>Authors: Yoonseok Choi, Sunyoung Jung, Mohammed A. Al-masni, Ming-Hsuan Yang, Dong-Hyun Kim</i> <i>Presenter: Yoonseok Choi, Yonsei University, Republic of Korea</i>
344	Poster Session 3	B73 (Thu-PM)	Anatomical Structure Few-Shot Detection Utilizing Enhanced Human Anatomy Knowledge in Ultrasound Images <i>Authors: Ying Zhu, Bocheng Liang, Ningshu Li, Lei Zhao, Xi Li, Hao Li, Fengwei Yang, Bin Pu</i> <i>Presenter: Ying Zhu, Yunnan University, China</i>
362	Poster Session 2	C102 (Thu-AM)	MAST-Pro: Dynamic Mixture-of-Experts for Adaptive Segmentation of Pan-Tumors with Knowledge-Driven Prompts <i>Authors: Runqi Meng, Sifan Song, Pengfei Jin, Lin Teng, Yulin Wang, Yiqun Sun, Ling Chen, Yujin Oh, Xiang Li, Quanzheng Li, Ning Guo, Dinggang Shen</i> <i>Presenter: Runqi Meng, ShanghaiTech University, China</i>
365	Poster Session 1	B41 (Wed-PM)	MNM: Multi-level Neuroimaging Meta-analysis with Hyperbolic Brain-Text Representations <i>Authors: Seunghun Baek, Jaejin Lee, Jaeyoon Sim, Minjae Jeong, Won Hwa Kim</i> <i>Presenter: Seunghun Baek, Pohang University of Science and Technology, Republic of Korea</i>
380	Poster Session 4	B14 (Fri-AM)	ClipGS: Clippable Gaussian Splatting for Interactive Cinematic Visualization of Volumetric Medical Data <i>Authors: Chengkun Li, Yuqi Tong, Kai Chen, Zhenya Yang, Ruiyang Li, Shi Qiu, Jason Ying-Kuen Chan, Pheng-Ann Heng, Qi Dou</i> <i>Presenter: Chengkun Li, The Chinese University of Hong Kong, Hong Kong SAR</i>
384	Poster Session 2	C107 (Thu-AM)	TransSino: Prior Sinogram Pattern-Based Transformer for Limited-Angle CT Image Segmentation <i>Authors: Jae Hyun Yoon, Yeong Jong Lee, Seok Bong Yoo</i> <i>Presenter: Yeong Jong Lee, Chonnam National University, Republic of Korea</i>
386	Poster Session 1	B46 (Wed-PM)	Dual Correlation-aware Mamba for Microvascular Obstruction Identification in Non-contrast Cine Cardiac Magnetic Resonance <i>Authors: Yige Yan, Jun Cheng, Xulei Yang, Shuang Leng, Ru San Tan, Liang Zhong, Jagath C. Rajapakse</i> <i>Presenter: Yige Yan, Nanyang Technological University, Singapore</i>
387	Poster Session 2	B37 (Thu-AM)	Self is the Best Learner: CT-free Ultra-Low-Dose PET Organ Segmentation via Collaborating Denoising and Segmentation Learning <i>Authors: Zanting Ye, Xiaolong Niu, Xu Han, Xuanbin Wu, Wantong Lu, Yijun Lu, Hao Sun, Yanchao Huang, Hubing Wu, Lijun Lu</i> <i>Presenter: Zanting Ye, Southern Medical University, China</i>
389	Poster Session 3	A163	R2B-WFC Ultrasound Reconstruction: Wavelet Fourier Convolution-based Reconstruction from Radio Frequency to Image

		(Thu-PM)	<i>Authors: Hyunsu Jeong, Chiho Yoon, Minsik Sung, Kiduk Kim, Dougho Park, Chulhong Kim Presenter: Hyunsu Jeong, Pohang University of Science and Technology, Republic of Korea</i>
392	Poster Session 3	B78 (Thu-PM)	HyDA: Hypernetworks for Test Time Domain Adaptation in Medical Imaging Analysis <i>Authors: Doron Serebro, Tammy Riklin-Raviv Presenter: Doron Serebro, Ben Gurion University, Israel</i>
394	Poster Session 2	A2 (Thu-AM)	X-SiT: Inherently Interpretable Surface Vision Transformers for Dementia Diagnosis <i>Authors: Fabian Bongratz, Tom Nuno Wolf, Jaume Gual Ramon, Christian Wachinger Presenter: Fabian Bongratz, Technical University of Munich, Germany</i>
398	Poster Session 4	C64 (Fri-AM)	Single-spoke Motion-compensated Dynamic 3D MRI Reconstruction via Neural Representation <i>Authors: Lixuan Chen, James M. Balter, Liye Shen, Jeong Joon Park Presenter: Lixuan Chen, University of Michigan, United States</i>
400	Poster Session 2	C112 (Thu-AM)	MatchGen: Detecting Medical Abnormal Region by Generating Matched Normal Regions <i>Authors: Xinyu Ma, Jinhui Ma, Shiqi He, Xin Che, Hon Yiu So, Lingyang Chu Presenter: Xinyu Ma, McMaster University, Canada</i>
408	Poster Session 2	C117 (Thu-AM)	SpurBreast: A Curated Dataset for Investigating Spurious Correlations in Real-world Breast MRI Classification <i>Authors: Jong Bum Won, Wesley De Neve, Joris Vankerschaver, Utku Ozbulak Presenter: Utku Ozbulak, Ghent University Global Campus, Republic of Korea</i>
413	Poster Session 2	C122 (Thu-AM)	No More Sliding Window: Efficient 3D Medical Image Segmentation with Differentiable Top-K Patch Sampling <i>Authors: Young Seok Jeon, Hongfei Yang, Huazhu Fu, Yeshe Kway, Mengling Feng Presenter: Young Seok Jeon, Emory University, United States</i>
421	Poster Session 4	A34 (Fri-AM)	GoCa: Trustworthy Multi-Modal RAG with Explicit Thinking Distillation for Reliable Decision-Making in Med-LVLMs <i>Authors: Pengyu Dai, Yafei Ou, Yuqiao Yang, Ze Jin, Kenji Suzuki Presenter: Pengyu Dai, Institute of Science Tokyo, Japan</i>
426	Poster Session 4	B24 (Fri-AM)	Surgical Action Planning with Large Language Models <i>Authors: Mengya Xu, Zhongzhen Huang, Jie Zhang, Xiaofan Zhang, Qi Dou Presenter: Mengya Xu, The Chinese University of Hong Kong, Hong Kong SAR</i>
427	Poster Session 1	A136 (Wed-PM)	CSAP-Assist: Instrument-Agent Dialogue Empowered Vision-Language Models for Collaborative Surgical Action Planning <i>Authors: Jie Zhang, Mengya Xu, Yiwei Wang, Qi Dou Presenter: Mengya Xu, The Chinese University of Hong Kong, Hong Kong SAR</i>
428	Poster Session 4	C69 (Fri-AM)	Pathology-Aware Adaptive Watermarking for Text-Driven Medical Image Synthesis <i>Authors: Chanyoung Kim, Dayun Ju, Jinyeong Kim, Woojung Han, Roberto Alcover-Couso, Seong Jae Hwang Presenter: Chanyoung Kim, Yonsei University, Republic of Korea</i>
430	Poster Session 4	A4 (Fri-AM)	Maverick: Collaboration-free Federated Unlearning for Medical Privacy <i>Authors: Win Kent Ong, Chee Seng Chan Presenter: Win Kent Ong, Universiti Malaya, Malaysia</i>
431	Poster Session 2	C127 (Thu-AM)	Vascular Photoacoustic Volume Registration via 2D Feature Matching with Reverse Mapping Based on Maximum Intensity Projection <i>Authors: Junda Liao, Chu Zhou, Yuta Asano, Yushi Suzuki, Ryoma Bise, Nobuaki Imanishi, Kazuo Kishi, Sadakazu Aiso, Imari Sato Presenter: Junda Liao, The University of Tokyo; National Institute of Informatics, Japan</i>

433	Poster Session 2	B2 (Thu-AM)	Directional Adaptive Shuffle-Based Visual State-Space Models for Medical Image Restoration <i>Authors: Simon C. K. Chan, Lulin Shi, Bingxin Huang, Terence T. W. Wong</i> <i>Presenter: Simon C. K. Chan, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
436	Poster Session 2	B42 (Thu-AM)	VisNet: A Human Visual System Inspired Lightweight Dual-Path Network for Medical Images Denoising <i>Authors: Hailin Yue, Hulin Kuang, Lei Ma, Jin Liu, Junjian Li, Jianhong Cheng, Jianxin Wang</i> <i>Presenter: Hailin Yue, Central South University, China</i>
445	Poster Session 4	C74 (Fri-AM)	Predicting Radiation Therapy Response based on Dynamic Temporal Feature Difference Fusion from Longitudinal MRI <i>Authors: Xinyu Hao, Hongming Xu, Qibin Zhang, Qi Xu, Xiaofeng Wang, Ilkka Polonen, Fengyu Cong</i> <i>Presenter: Xinyu Hao, Dalian University of Technology, China</i>
447	Poster Session 2	A37 (Thu-AM)	MAGNET-AD: Multitask Spatiotemporal GNN for Interpretable Prediction of PACC and Conversion Time in Preclinical Alzheimer <i>Authors: Salma Hassan, Mostafa Salem, Vijay Ram Kumar Papineni, Ayman Elsayed, Mohammad Yaqub</i> <i>Presenter: Salma Hassan, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
455	Poster Session 4	C79 (Fri-AM)	WiD-PET: PET Image Reconstruction from Low-Dose Data Using a Wavelet-Informed Diffusion Model with Fast Inference <i>Authors: Qingcheng Lyu, Tong Chen, Yiran Wang, Erjian Guo, Luping Zhou</i> <i>Presenter: Luping Zhou, The University of Sydney, Australia</i>
459	Poster Session 4	A39 (Fri-AM)	Subgroup Performance Analysis in Hidden Stratifications <i>Authors: Alceu Bissoto, Trung-Dung Hoang, Tim Flühmann, Susu Sun, Christian F. Baumgartner, Lisa M. Koch</i> <i>Presenter: Alceu Bissoto, University of Bern, Switzerland</i>
460	Poster Session 4	A14 (Fri-AM)	FOCUS: Feature Replay with Optimized Channel-Consistent Dropout for U-Net Skip-Connections <i>Authors: Simon Johannes Joham, Franz Thaler, Arnela Hadzic, Martin Urschler</i> <i>Presenter: Simon Joham, Medical University of Graz, Austria</i>
477	Poster Session 1	B51 (Wed-PM)	Multi-Agent Reasoning for Cardiovascular Imaging Phenotype Analysis <i>Authors: Weitong Zhang, Mengyun Qiao, Chengqi Zang, Steven Niederer, Paul M. Matthews, Wenjia Bai, Bernhard Kainz</i> <i>Presenter: Weitong Zhang, Imperial College London, United Kingdom</i>
486	Poster Session 1	C71 (Wed-PM)	CARE-VL: A Domain-Specialized Vision-Language Model for Early ASD Screening <i>Authors: Cheol-Hwan Yoo, Jang-Hee Yoo, Jaeyoon Jang</i> <i>Presenter: Cheol-Hwan Yoo, ETRI, Republic of Korea</i>
487	Poster Session 2	C132 (Thu-AM)	BraTS-UMamba: Adaptive Mamba UNet with Dual-Band Frequency based Feature Enhancement for Brain Tumor Segmentation <i>Authors: Haoran Yao, Hao Xiong, Dong Liu, Hualei Shen, Shlomo Berkovsky</i> <i>Presenter: Haoran Yao, Henan Normal University, China</i>
490	Poster Session 2	B47 (Thu-AM)	D2MAE: Diffusional Deblurring MAE for Ultrasound Image Pre-training <i>Authors: Qingbo Kang, Jun Gao, Hongkai Zhao, Zhu He, Kang Li, Qicheng Lao</i> <i>Presenter: Qingbo Kang, West China Hospital of Sichuan University, China</i>
496	Poster Session 3	B8 (Thu-PM)	Source-Free Domain Adaptation for Cross-Modality Cardiac Image Segmentation with Contrastive Class Relationship Consistency <i>Authors: Ao Ma, Qingpeng Zhu, Jingjing Li, Mads Nielsen, Xu Chen</i>

			<i>Presenter: Ao Ma, Southwestern University of Finance and Economics, China</i>
516	Poster Session 4	C84 (Fri-AM)	VQ-SCD: Vector Quantization Meets Unknown Scan Condition Self-supervised Low-Dose CT Denoising <i>Authors: Bo Su, Jiabo Xu, Xiangyun Hu, Kai Deng, Jiancheng Li, Zhouxian Lu</i> <i>Presenter: Bo Su, Wuhan University, China</i>
521	Poster Session 5	C35 (Fri-PM)	DINO Adapted to X-Ray (DAX): Foundation Models for Intraoperative X-Ray Imaging <i>Authors: Joshua Scheuplein, Maximilian Rohleder, Andreas Maier, Björn Kreher</i> <i>Presenter: Joshua Scheuplein, Friedrich-Alexander-Universität Erlangen-Nürnberg & Siemens Healthineers AG, Germany</i>
526	Poster Session 5	B325 (Fri-PM)	MedGNN: General Medical Image Recognition Network via GNN Visual Representations <i>Authors: Jiayu Ye, An Zeng, Dan Pan, Junhao Chen, Guanwei Cheng</i> <i>Presenter: An Zeng, Guangdong University of Technology, China</i>
530	Poster Session 1	C76 (Wed-PM)	Your other Left! Vision-Language Models Fail to Identify Relative Positions in Medical Images <i>Authors: Daniel Wolf, Heiko Hillenhausen, Billurvan Taskin, Alex Bäuerle, Meinrad Beer, Michael Götz, Timo Ropinski</i> <i>Presenter: Daniel Wolf, Ulm University, Germany</i>
536	Poster Session 5	C40 (Fri-PM)	A Two-Stage Method for Specular Highlight Detection and Removal in Medical Images <i>Authors: Zefeng Li, Mingyue Cui, Daosong Hu, Jin Gong, Jingchong Weng, Zeyu Zhang, Lele Tian, Mengran Li, Kai Huang</i> <i>Presenter: Zefeng Li, Sun Yat-sen University, China</i>
542	Poster Session 2	A42 (Thu-AM)	Prototype-Based Multiple Instance Learning for Gigapixel Whole Slide Image Classification <i>Authors: Susu Sun, Dominique van Midden, Geert Litjens, Christian F. Baumgartner</i> <i>Presenter: Susu Sun, University of Tübingen, Germany</i>
544	Poster Session 4	A49 (Fri-AM)	DeepAf: One-Shot Spatospectral Auto-Focus Model for Digital Pathology <i>Authors: Yousef Yeganeh, Maximilian Frantzen, Michael Lee, Kun Hsing-Yu, Nassir Navab, Azade Farshad</i> <i>Presenter: Yousef Yeganeh, Technical University of Munich, Germany</i>
548	Poster Session 4	A54 (Fri-AM)	Personalized Federated Side-Tuning for Medical Image Classification <i>Authors: Jiayi Chen, Benteng Ma, Yongsheng Pan, Bin Pu, Hengfei Cui, Yong Xia</i> <i>Presenter: Yong Xia, Northwestern Polytechnical University, China</i>
550	Poster Session 1	A11 (Wed-PM)	HieraSurg: Hierarchy-Aware Diffusion Model for Surgical Video Generation <i>Authors: Diego Biagini, Nassir Navab, Azade Farshad</i> <i>Presenter: Diego Biagini, Technical University of Munich, Germany</i>
554	Poster Session 5	A10 (Fri-PM)	SAGCNet: Spatial-Aware Graph Completion Network for Missing Slice Imputation in Population CMR Imaging <i>Authors: Junkai Liu, Nay Aung, Theodoros N. Arvanitis, Stefan K. Piechnik, Joao A. C. Lima, Steffen E. Petersen, Le Zhang</i> <i>Presenter: Junkai Liu, University of Birmingham, United Kingdom</i>
555	Poster Session 2	C137 (Thu-AM)	RefineSeg: Dual Coarse-to-Fine Learning for Medical Image Segmentation <i>Authors: Anghong Du, Nay Aung, Theodoros N. Arvanitis, Stefan K. Piechnik, Joao A. C. Lima, Steffen E. Petersen, Le Zhang</i> <i>Presenter: Anghong Du, University of Birmingham, United Kingdom</i>
569	Poster Session 5	B60	Knowledge-guided Multi-scale Graph Mamba for Whole Slide Image Classification

		(Fri-PM)	<i>Authors: Minghong Duan, Zhiwei Yang, Yingfan Ma, Manning Wang, Zhijian Song Presenter: Minghong Duan, Fudan University, China</i>
572	Poster Session 5	C45 (Fri-PM)	HARM3-Fusion: Hierarchical Attentional Representation Learning of Multi-Modal, Multi-Temporal, and Multi-Sequence Fusion for Pathological Complete Response Prediction of Head and Neck Squamous Cell Carcinoma <i>Authors: Jianye Wang, Xinyue Liu, Zhiying Gong, Lingjie Yang, Hanwen Zhang, Yu Long, Yimeng Fan, Yuncheng Jiang, Xiaohui Duan, Weibing Zhao Presenter: Jianye Wang, Shenzhen MSU-BIT University, China</i>
577	Poster Session 2	C142 (Thu-AM)	AdvMIM: Adversarial Masked Image Modeling for Semi-Supervised Medical Image Segmentation <i>Authors: Lei Zhu, Jun Zhou, Rick Siow Mong Goh, Yong Liu Presenter: Huazhu Fu, Institute of High Performance Computing (IHPC), Agency for Science, Technology and Research (A*STAR), Singapore</i>
579	Poster Session 5	A320 (Fri-PM)	Rethinking Multi-view Mammogram Representation Learning via Counterfactual Reasoning with Kolmogorov-Arnold Theorem <i>Authors: Guoli Wang, Benzheng Wei, Shuo Li Presenter: Shuo Li, Case Western Reserve University, United States</i>
605	Poster Session 3	B88 (Thu-PM)	Dynamic Gradient Sparsification Training for Few-Shot Fine-tuning of CT Lymph Node Segmentation Foundation Model <i>Authors: Zihao Luo, Zijun Gao, Wenjun Liao, Shichuan Zhang, Guotai Wang, Xiangde Luo Presenter: Zihao Luo, University of Electronic Science and Technology of China, China</i>
617	Poster Session 1	A21 (Wed-PM)	ReSurgSAM2: Referring Segment Anything in Surgical Video via Credible Long-term Tracking <i>Authors: Haofeng Liu, Mingqi Gao, Xuxiao Luo, Ziyue Wang, Guanyi Qin, Junde Wu, Yueming Jin Presenter: Haofeng Liu, National University of Singapore, Singapore</i>
620	Poster Session 3	C63 (Thu-PM)	MedSoft-Diffusion: Medical Semantic-Guided Diffusion Model with Soft Mask Conditioning for Vertebral Disease Diagnosis <i>Authors: Shidan He, Enyuan Hu, Zixuan Tang, Bin Chen, Dongdong Yu, Yuan Hong, Zhenzhong Liu, Mengtang Li, Lei Liu, Shen Zhao Presenter: Shidan He, Sun Yat-sen University, China</i>
621	Poster Session 4	A59 (Fri-AM)	Privacy Preserving Chest X-ray Classification in Latent Space with Homomorphically Encrypted Neural Inference <i>Authors: Jonghun Kim, Gyeongdeok Jo, Sinyoung Ra, Hyunjin Park Presenter: Jonghun Kim, Sungkyunkwan University, Republic of Korea</i>
627	Poster Session 5	C50 (Fri-PM)	Pre-Trained LLM is a Semantic-Aware and Generalizable Segmentation Booster <i>Authors: Fenghe Tang, Wenxin Ma, Zhiyang He, Xiaodong Tao, Zihang Jiang, S. Kevin Zhou Presenter: Fenghe Tang, University of Science and Technology of China, China</i>
629	Poster Session 1	C81 (Wed-PM)	SimCroP: Radiograph Representation Learning with Similarity-driven Cross-granularity Pre-training <i>Authors: Rongsheng Wang, Fenghe Tang, Qingsong Yao, Rui Yan, Xu Zhang, Zhen Huang, Haoran Lai, Zhiyang He, Xiaodong Tao, Zihang Jiang, S. Kevin Zhou Presenter: Rongsheng Wang, University of Science and Technology of China, China</i>
634	Poster Session 1	B56 (Wed-PM)	PRETI: Patient-Aware Retinal Foundation Model via Metadata-Guided Representation Learning <i>Authors: Yeonkyung Lee, Woojung Han, Youngjun Jun, Hyeonmin Kim, Jungkyung Cho, Seong Jae Hwang Presenter: Yeonkyung Lee, Yonsei University, Republic of Korea</i>
636	Poster Session 3	C68 (Thu-PM)	Dual Selective Gleason Pattern-Aware Multiple Instance Learning for Grade Group Prediction in Histopathology Images <i>Authors: Xinyu Hao, Hongming Xu, Qibin Zhang, Qi Xu, Ilkka Polonen, Fengyu Cong Presenter: Xinyu Hao, Dalian University of Technology, China</i>

638	Poster Session 1	C86 (Wed-PM)	Configurable Platform for Biomedical Literature Mining via Multimodal-Driven Extraction <i>Authors: Xinpan Yuan, Bozhao Li, Guihu Zhao, Yueming Wang, Liujie Hua, Junhua Kuang, Jianguo Chen, Shaomin Xie, Gan Li</i> <i>Presenter: Bozhao Li, Hunan University of Technology, China</i>
645	Poster Session 2	B72 (Thu-AM)	BayeSMM: Robust Deep Combined Computing Tackling Heavy-tailed Distribution in Medical Images <i>Authors: Yuanye Liu, Ruoxuan Zhen, Shangqi Gao, Xinzhe Luo, Xin Gao, Qingchao Chen, Xiahai Zhuang</i> <i>Presenter: Yuanye Liu, Fudan University, China</i>
646	Poster Session 3	C73 (Thu-PM)	MvHo-IB: Multi-View Higher-Order Information Bottleneck for Brain Disorder Diagnosis <i>Authors: Kunyu Zhang, Qiang Li, Shujian Yu</i> <i>Presenter: Kunyu Zhang, Zhengzhou University, China</i>
648	Poster Session 5	A40 (Fri-PM)	MAMBA-Based Weakly Supervised Medical Image Segmentation with Cross-Modal Textual Information <i>Authors: Zhen Pan, Wenhui Huang, Yuanjie Zheng</i> <i>Presenter: Wenhui Huang, Shandong Normal University, China</i>
652	Poster Session 2	C2 (Thu-AM)	Sequence-Independent Continual Test-Time Adaptation with Mixture of Incremental Experts for Cross-Domain Segmentation <i>Authors: Dunyuan Xu, Yuchen Yuan, Donghao Zhou, Xikai Yang, Jingyang Zhang, Jinpeng Li, Pheng-Ann Heng</i> <i>Presenter: Dunyuan Xu, The Chinese University of Hong Kong, Hong Kong SAR</i>
653	Poster Session 4	C129 (Fri-AM)	DC-Seg: Disentangled Contrastive Learning for Brain Tumor Segmentation with Missing Modalities <i>Authors: Haitao Li, Ziyu Li, Yiheng Mao, Zhengyao Ding, Zhengxing Huang</i> <i>Presenter: Haitao Li, Zhejiang University, China</i>
658	Poster Session 2	B247 (Thu-AM)	GL-LCM: Global-Local Latent Consistency Models for Fast High-Resolution Bone Suppression in Chest X-Ray Images <i>Authors: Yifei Sun, Zhanghao Chen, Hao Zheng, Yuqing Lu, Lixin Duan, Fenglei Fan, Ahmed Elazab, Xiang Wan, Changmiao Wang, Ruiquan Ge</i> <i>Presenter: Yifei Sun, Hangzhou Dianzi University, China</i>
660	Poster Session 1	C91 (Wed-PM)	RetFiner: A Vision-Language Refinement Scheme for Retinal Foundation Models <i>Authors: Ronald Fecso, José Morano, Ursula Schmidt-Erfurth, Hrvoje Bogunović</i> <i>Presenter: Ronald Fecso, Medical University of Vienna, Austria</i>
663	Poster Session 3	C78 (Thu-PM)	CoC: Chain-of-Cancer based on Cross-Modal Autoregressive Traction for Survival Prediction <i>Authors: Haipeng Zhou, Sicheng Yang, Sihan Yang, Jing Qin, Lei Chen, Lei Zhu</i> <i>Presenter: Haipeng Zhou, The Hong Kong University of Science and Technology (Guangzhou), China</i>
665	Poster Session 2	C147 (Thu-AM)	Improving Medical Image Segmentation with Implicit Representation and Noisy Label Robustness <i>Authors: Suruchi Kumari, Harshdeep Singh, Pravendra Singh</i> <i>Presenter: Suruchi Kumari, Indian Institute of Technology Roorkee, India</i>
666	Poster Session 5	C55 (Fri-PM)	A Novel ED Triage Framework Using Conditional Imputation, Multi-Scale Semantic Learning, and Cross-Modal Fusion <i>Authors: Yi Xiao, Jun Zhang, Cheng Chi, Chunyu Wang</i> <i>Presenter: Yi Xiao, Southeast University, China</i>
667	Poster Session 5	C60 (Fri-PM)	Temporally-Aware Supervised Contrastive Learning for Polyp Counting in Colonoscopy <i>Authors: Luca Parolari, Andrea Cherubini, Lamberto Ballan, Carlo Biffi</i> <i>Presenter: Luca Parolari, University of Padova, Italy</i>

668	Poster Session 4	C89 (Fri-AM)	VesselGPT: Autoregressive Modeling of Vascular Geometry <i>Authors: Paula Feldman, Martin Sinnona, Claudio Delrieux, Viviana Siless, Emmanuel Iarussi</i> <i>Presenter: Paula Feldman, Universidad Torcuato Di Tella, Argentina</i>
670	Poster Session 1	A326 (Wed-PM)	HyperPath: Knowledge-Guided Hyperbolic Semantic Hierarchy Modeling for WSI Analysis <i>Authors: Peixiang Huang, Yanyan Huang, Weiqin Zhao, Junjun He, Lequan Yu</i> <i>Presenter: Peixiang Huang, The University of Hong Kong, Hong Kong SAR</i>
673	Poster Session 3	A323 (Thu-PM)	RetinaLogos: Fine-Grained Synthesis of High-Resolution Retinal Images Through Captions <i>Authors: Junzhi Ning, Cheng Tang, Kaijing Zhou, Diping Song, Lihao Liu, Ming Hu, Wei Li, Huihui Xu, Yanzhou Su, Tianbin Li, Jiyao Liu, Jin Ye, Sheng Zhang, Yuanfeng Ji, Junjun He</i> <i>Presenter: Junzhi Ning, Shanghai Artificial Intelligence Laboratory, China</i>
678	Poster Session 5	A45 (Fri-PM)	Robust Multimodal Learning for Ophthalmic Disease Grading via Disentangled Representation <i>Authors: Xinkun Wang, Yifang Wang, Senwei Liang, Feilong Tang, Chengzhi Liu, Ming Hu, Chao Hu, Junjun He, Zongyuan Ge, Imran Razzak</i> <i>Presenter: Feilong Tang, Monash University, Australia</i>
692	Poster Session 1	A26 (Wed-PM)	RT-GAN: Recurrent Temporal GAN for Adding Lightweight Temporal Consistency to Frame-Based Domain Translation Approaches <i>Authors: Shawn Mathew, Saad Nadeem, Arie Kaufman</i> <i>Presenter: Saad Nadeem, Memorial Sloan Kettering Cancer Center, United States</i>
694	Poster Session 2	B52 (Thu-AM)	Finer Disentanglement of Aleatoric Uncertainty Can Accelerate Chemical Histopathology Imaging <i>Authors: Ji-Hun Oh, Kianoush Falahkheirkhah, Rohit Bhargava</i> <i>Presenter: Ji-Hun Oh, University of Illinois Urbana-Champaign, United States</i>
696	Poster Session 4	C259 (Fri-AM)	Intra- and Cross-View Enhancement for OCTA Imaging <i>Authors: Jingbo Zeng, Bingyao Tan, Zaiwang Gu, Shenghua Gao, Leopold Schmetterer, Jun Cheng</i> <i>Presenter: Jun Cheng, Agency for Science, Technology and Research (A*STAR), Singapore</i>
702	Poster Session 2	C152 (Thu-AM)	New Multiple Sclerosis Lesion Segmentation via Calibrated Inter-patch Blending <i>Authors: Jin Ye, Son Duy Dao, Yicheng Wu, Yasmeen George, Thanh Nguyen-Duc, Daniel F. Schmidt, Hengcan Shi, Winston Chong, Jianfei Cai</i> <i>Presenter: Jin Ye, Monash University, Australia</i>
707	Poster Session 1	B61 (Wed-PM)	MicroMIL: Graph-Based Multiple Instance Learning for Context-Aware Diagnosis with Microscopic Images <i>Authors: JongWoo Kim, Bryan Wong, Huazhu Fu, Willmer Rafell Quiñones Robles, Young Sin Ko, Mun Yong Yi</i> <i>Presenter: Bryan Wong, Korea Advanced Institute of Science & Technology, Republic of Korea</i>
710	Poster Session 1	C261 (Wed-PM)	UniMRG: Refining Medical Semantic Understanding Across Modalities via LLM-Orchestrated Synergistic Evolution <i>Authors: Hongyan Xu, Arcot Sowmya, Ian Katz, Dadong Wang</i> <i>Presenter: Hongyan Xu, The University of New South Wales, Australia</i>
720	Poster Session 3	B93 (Thu-PM)	Neighborhood-Consistent Binary Transformation for Domain-Invariant Chest X-ray Diagnosis <i>Authors: Zelong Liu, Huachao Zhu, Zhichao Sun, Yuda Zou, Yuliang Gu, Bo Du, Yongchao Xu</i> <i>Presenter: Zelong Liu, Wuhan University, China</i>
725	Poster Session 5	C65	Source-Free Active Domain Adaptation for Efficient Medical Video Polyp Segmentation

		(Fri-PM)	<i>Authors: Jialu Li, Hongqiu Wang, Weiming Wang, Jing Qin, Qiong Wang, Lei Zhu</i> <i>Presenter: Jialu Li, The Hong Kong University of Science and Technology (Guangzhou), China</i>
738	Poster Session 5	A50 (Fri-PM)	Multi-modal MRI Translation via Evidential Regression and Distribution Calibration <i>Authors: Jiyao Liu, Shangqi Gao, Yuxin Li, Lihao Liu, Xin Gao, Zhaohu Xing, Junzhi Ning, Yanzhou Su, Xiao-Yong Zhang, Junjun He, Ningsheng Xu, Xiahai Zhuang</i> <i>Presenter: Jiyao Liu, Fudan University, China</i>
742	Poster Session 1	C96 (Wed-PM)	Unleashing Vision Foundation Models for Coronary Artery Segmentation: Parallel ViT-CNN Encoding and Variational Fusion <i>Authors: Caixia Dong, Duwei Dai, Xinyi Han, Fan Liu, Xu Yang, Zongfang Li, Songhua Xu</i> <i>Presenter: Caixia Dong, The Second Affiliated Hospital of Xi'an Jiaotong University, China</i>
747	Poster Session 5	A190 (Fri-PM)	IM-Fuse: A Mamba-based Fusion Block for Brain Tumor Segmentation with Incomplete Modalities <i>Authors: Vittorio Pipoli, Alessia Saporita, Kevin Marchesini, Costantino Grana, Elisa Ficarra, Federico Bolelli</i> <i>Presenter: Kevin Marchesini, University of Modena and Reggio Emilia, Italy</i>
751	Poster Session 4	C9 (Fri-AM)	Diffusion-based Multi-modal MR Fusion for TOF-MRA Image Synthesis <i>Authors: Tianen Yu, Xinyu Song, Lei Xiang, Tao Zhou</i> <i>Presenter: Tianen Yu, Nanjing University of Science and Technology, China</i>
752	Poster Session 2	C157 (Thu-AM)	U-Net Transplant: The Role of Pre-training for Model Merging in 3D Medical Segmentation <i>Authors: Luca Lumetti, Giacomo Capitani, Elisa Ficarra, Simone Calderara, Costantino Grana, Angelo Porrello, Federico Bolelli</i> <i>Presenter: Luca Lumetti, University of Modena and Reggio Emilia, Italy</i>
755	Poster Session 1	A31 (Wed-PM)	Topology-Constrained Learning for Efficient Laparoscopic Liver Landmark Detection <i>Authors: Ruize Cui, Jiaan Zhang, Jialun Pei, Kai Wang, Pheng-Ann Heng, Jing Qin</i> <i>Presenter: Ruize Cui, The Hong Kong Polytechnic University, Hong Kong SAR</i>
764	Poster Session 1	C11 (Wed-PM)	LesionDiffusion: Towards Text-controlled General Lesion Synthesis <i>Authors: Wenhui Lei, Hengrui Tian, Linrui Dai, Hanyu Chen, Xiaofan Zhang</i> <i>Presenter: Linrui Dai, National Institute of Informatics, Japan</i>
768	Poster Session 5	C70 (Fri-PM)	BioD2C: A Dual-level Semantic Consistency Constraint Framework for Biomedical VQA <i>Authors: Zhengyang Ji, Shang Gao, Li Liu, Yifan Jia, Yutao Yue</i> <i>Presenter: Zhengyang Ji, Shandong University, China</i>
774	Poster Session 5	A195 (Fri-PM)	Hallucination-Aware Multimodal Benchmark for Gastrointestinal Image Analysis with Large Vision-Language Models <i>Authors: Bidur Khanal, Sandesh Pokhrel, Sanjay Bhandari, Ramesh Rana, Nimesh Shrestha, Ram B. Gurung, Cristian Linte, Angus Watson, Yash R. Shrestha, Binod Bhattarai</i> <i>Presenter: Binod Bhattarai, Nepal Applied Mathematics and Informatics Institute for Research, Nepal</i>
780	Poster Session 5	A290 (Fri-PM)	Endo3R: Unified Online Reconstruction from Dynamic Monocular Endoscopic Video <i>Authors: Jiaxin Guo, Wenzhen Dong, Tianyu Huang, Hao Ding, Ziyi Wang, Haomin Kuang, Qi Dou, Yun-Hui Liu</i> <i>Presenter: Jiaxin Guo, The Chinese University of Hong Kong, Hong Kong SAR</i>
782	Poster Session 3	B98 (Thu-PM)	A Multi-Branch Framework for Cross-Domain Vessel Segmentation via the Few-Shot Paradigm <i>Authors: Zihang Huang, Tianyu Zhao, Liang Zhang, Xin Yang</i> <i>Presenter: Zihang Huang, Huazhong University of Science and Technology, China</i>

784	Poster Session 1	C106 (Wed-PM)	Medical Large Vision Language Models with Multi-Image Visual Ability <i>Authors: Xikai Yang, Juzheng Miao, Yuchen Yuan, Jiaze Wang, Qi Dou, Jinpeng Li, Pheng-Ann Heng</i> <i>Presenter: Xikai Yang, The Chinese University of Hong Kong, Hong Kong SAR</i>
787	Poster Session 4	A109 (Fri-AM)	Variational Visible Layers: A Practical Framework for Uncertainty Estimation <i>Authors: Zeinab Abboud, Herve Lombaert, Samuel Kadoury</i> <i>Presenter: Zeinab Abboud, Polytechnique Montreal, Canada</i>
788	Poster Session 5	A35 (Fri-PM)	Tree-based Semantic Losses: Application to Sparsely-supervised Large Multi-class Hyperspectral Segmentation <i>Authors: Junwen Wang, Oscar Maccormac, William Rochford, Aaron Kujawa, Jonathan Shapey, Tom Vercauteren</i> <i>Presenter: Junwen Wang, King's College London, United Kingdom</i>
793	Poster Session 1	B66 (Wed-PM)	High-Precision Mixed Feature Fusion Network Using Hypergraph Computation for Cervical Abnormal Cell Detection <i>Authors: Jincheng Li, Danyang Dong, Menglin Zheng, Jingbo Zhang, Yueqin Hang, Lichi Zhang, Lili Zhao</i> <i>Presenter: Jincheng Li, Nantong University, China</i>
795	Poster Session 2	B312 (Thu-AM)	Trexplorer Super: Topologically Correct Centerline Tree Tracking of Tubular Objects in CT Volumes <i>Authors: Roman Naeem, David Hagerman, Jennifer Alvé, Lennart Svensson, Fredrik Kahl</i> <i>Presenter: Roman Naeem, Chalmers University of Technology, Sweden</i>
796	Poster Session 5	C75 (Fri-PM)	NERO: Explainable Out-of-Distribution Detection with Neuron-level Relevance in Gastrointestinal Imaging <i>Authors: Anju Chhetri, Jari Korhonen, Prashnna Gyawali, Binod Bhattarai</i> <i>Presenter: Anju Chhetri, NepAI Applied Mathematics and Informatics Institute for research, Nepal</i>
802	Poster Session 3	B103 (Thu-PM)	Learning Foundation Models from Multi-Organ Medical Images by Capturing Consistency and Diversity of Anatomical Structures <i>Authors: Mohammad Reza Hosseinzadeh Taher, Junpyo Hong, Ravi Soni, Gopal Avinash</i> <i>Presenter: Junpyo Hong, GE HealthCare, United States</i>
804	Poster Session 2	B62 (Thu-AM)	NQNN: Noise-aware Quantum Neural Networks for Medical Image Classification <i>Authors: Maqsudur Rahman, Jun Zhuang</i> <i>Presenter: Maqsudur Rahman, Boise State University, United States</i>
807	Poster Session 3	A343 (Thu-PM)	Controllable Skin Synthesis via Lesion-Focused Vector Autoregression Model <i>Authors: Jiajun Sun, Zhen Yu, Siyuan Yan, Jason J. Ong, Zongyuan Ge, Lei Zhang</i> <i>Presenter: Jiajun Sun, Monash University, Australia</i>
811	Poster Session 5	C80 (Fri-PM)	SurgSora: Object-Aware Diffusion Model for Controllable Surgical Video Generation <i>Authors: Tong Chen, Shuya Yang, Junyi Wang, Long Bai, Hongliang Ren, Luping Zhou</i> <i>Presenter: Tong Chen, The University of Sydney, Australia</i>
815	Poster Session 1	C111 (Wed-PM)	Delving into Out-of-Distribution Detection with Medical Vision-Language Models <i>Authors: Lie Ju, Sijin Zhou, Yukun Zhou, Huimin Lu, Zhuoting Zhu, Pearse A. Keane, Zongyuan Ge</i> <i>Presenter: Lie Ju, Monash University, Australia</i>
830	Poster Session 3	B108 (Thu-PM)	D-CAM: Learning Generalizable Weakly-Supervised Medical Image Segmentation from Domain-invariant CAM <i>Authors: Jingjun Yi, Qi Bi, Hao Zheng, Haolan Zhan, Wei Ji, Huimin Huang, Yuexiang Li, Shaoxin Li, Xian Wu, Yefeng Zheng, Feiyue Huang</i>

			<i>Presenter: Yefeng Zheng, Westlake University, China</i>
846	Poster Session 5	C85 (Fri-PM)	TGSAM-2: Text-Guided Medical Image Segmentation using Segment Anything Model 2 <i>Authors: Runtian Yuan, Ling Zhou, Jilan Xu, Qingqiu Li, Mohan Chen, Yuejie Zhang, Rui Feng, Tao Zhang, Shang Gao</i> <i>Presenter: Runtian Yuan, Fudan University, China</i>
853	Poster Session 4	C94 (Fri-AM)	AVDM: Controllable Adversarial Diffusion Model for Vessel-to-Volume Synthesis <i>Authors: Jian Dai, Wanchen Liu, Honghao Cui, Xiao Liu, Jiajun Wang, Zhiji Zheng, Daoying Geng</i> <i>Presenter: Jian Dai, Fudan University, China</i>
858	Poster Session 4	C99 (Fri-AM)	Guiding Quantitative MRI Reconstruction with Phase-wise Uncertainty <i>Authors: Haozhong Sun, Zhongsen Li, Chenlin Du, Haokun Li, Yajie Wang, Huijun Chen</i> <i>Presenter: Haozhong Sun, Tsinghua University, China</i>
864	Poster Session 3	C83 (Thu-PM)	Clinical Prior Guided Cross-Modal Hierarchical Fusion for Histological Subtyping of Lung Cancer in CT Scans <i>Authors: Chenchen Fan, Ahmed Elazab, Songqi Zhang, Yuxuan Wang, Qinghua Liang, Danna Li, Yongquan Zhang, Ying Xiang, Bo Liu, Changmiao Wang</i> <i>Presenter: Chenchen Fan, Zhejiang University of Finance and Economics, China</i>
872	Poster Session 4	B34 (Fri-AM)	CurConMix: A Curriculum Contrastive Learning Framework for Enhancing Surgical Action Triplet Recognition <i>Authors: Yongjun Jeon, Jongmin Shin, Seonmin Park, Bogeun Kim, Kanggil Park, Namkee Oh, Kyu-Hwan Jung</i> <i>Presenter: Yongjun Jeon, Sungkyunkwan University, Republic of Korea</i>
874	Poster Session 3	C3 (Thu-PM)	Parameterized Diffusion Optimization enabled Autoregressive Ordinal Regression for Diabetic Retinopathy Grading <i>Authors: Qinkai Yu, Wei Zhou, Hantao Liu, Yanyu Xu, Meng Wang, Yitian Zhao, Huazhu Fu, Xujiang Ye, Yalin Zheng, Yanda Meng</i> <i>Presenter: Qinkai Yu, University of Exeter, United Kingdom</i>
875	Poster Session 4	C104 (Fri-AM)	UltraTwin: Towards Cardiac Anatomical Twin Generation from Multi-view 2D Ultrasound <i>Authors: Junxuan Yu, Yaofei Duan, Yuhao Huang, Yu Wang, Rongbo Ling, Weihao Luo, Ang Zhang, Jingxian Xu, Qiongying Ni, Yongsong Zhou, Binghan Li, Haoran Dou, Liping Liu, Yanfen Chu, Feng Geng, Zhe Sheng, Zhifeng Ding, Dingxin Zhang, Rui Huang, Yuhang Zhang, Xiaowei Xu, Tao Tan, Dong Ni, Zhongshan Gou, Xin Yang</i> <i>Presenter: Junxuan Yu, Shenzhen University, China</i>
878	Poster Session 5	B210 (Fri-PM)	Robust Incomplete-Modality Alignment for Ophthalmic Disease Grading and Diagnosis via Labeled Optimal Transport <i>Authors: Qinkai Yu, Jianyang Xie, Yitian Zhao, Cheng Chen, Lijun Zhang, Liming Chen, Jun Cheng, Lu Liu, Yalin Zheng, Yanda Meng</i> <i>Presenter: Qinkai Yu, University of Exeter, United Kingdom</i>
889	Poster Session 2	B257 (Thu-AM)	Non-Salient Object Segmentation in Medical Images via Pre-trained Multi-Granularity Masked Autoencoders <i>Authors: Bin Zhang, Dongsheng Ruan, Ronghui Qi, Chenchu Xu, Yanping Zhang, Chengjin Yu, Lei Xu, Rui Wang</i> <i>Presenter: Bin Zhang, Anhui University, China</i>
894	Poster Session 1	A146 (Wed-PM)	Temporal Differential Fields for 4D Motion Modeling via Image-to-Video Synthesis <i>Authors: Xin You, Minghui Zhang, Hanxiao Zhang, Jie Yang, Nassir Navab</i> <i>Presenter: Xin You, Technical University of Munich, Germany & Shanghai Jiao Tong University, China</i>

896	Poster Session 5	A175 (Fri-PM)	Hierarchical Corpus-View-Category Refinement for Carotid Plaque Risk Grading in Ultrasound <i>Authors: Zhiyuan Zhu, Jian Wang, Yong Jiang, Tong Han, Yuhao Huang, Ang Zhang, Kaiwen Yang, Mingyuan Luo, Zhe Liu, Yaofei Duan, Dong Ni, Tianhong Tang, Xin Yang</i> <i>Presenter: Zhiyuan Zhu, Shenzhen University, China</i>
903	Poster Session 3	C93 (Thu-PM)	GrInAdapt: Source-free Multi-Target Domain Adaptation for Retinal Vessel Segmentation <i>Authors: Zixuan Liu, Aaron Honjaya, Yuekai Xu, Yi Zhang, Hefu Pan, Xin Wang, Linda G. Shapiro, Sheng Wang, Ruikang K. Wang</i> <i>Presenters: Aaron Honjaya and Yuekai Xu, University of Washington, United States</i>
904	Poster Session 2	B292 (Thu-AM)	Pose as Clinical Prior: Learning Dual Representations for Scoliosis Screening <i>Authors: Zirui Zhou, Zizhao Peng, Dongyang Jin, Chao Fan, Fengwei An, Shiqi Yu</i> <i>Presenter: Zirui Zhou, Southern University of Science and Technology, China</i>
906	Poster Session 3	C98 (Thu-PM)	LNODE: Uncovering the Latent Dynamics of Aβ in Alzheimer's Disease <i>Authors: Zheyu Wen, George Biros</i> <i>Presenter: George Biros, The University of Texas at Austin, United States</i>
920	Poster Session 3	C103 (Thu-PM)	Clinical Data-Driven Retrieval-Augmented Model for Lung Nodule Malignancy Prediction <i>Authors: Ruibo Hou, Shurong Chai, Rahul Kumar Jain, Yinhao Li, Jiaqing Liu, Shiyu Teng, Xiaoyu Shi, Lanfen Lin, Yen-Wei Chen</i> <i>Presenter: Ruibo Hou, Ritsumeikan University, Japan</i>
927	Poster Session 5	A345 (Fri-PM)	Multi-Spatial Granger Causality Features Fusion Network for Alzheimer's Disease Classification <i>Authors: Zhiwei Song, Jingming Li, Hu Yu, Xiaojuan Guo</i> <i>Presenter: Zhiwei Song, Beijing Normal University, China</i>
929	Poster Session 5	C90 (Fri-PM)	HRVVS: A High-resolution Video Vasculature Segmentation Network via Hierarchical Autoregressive Residual Priors <i>Authors: Xincheng Yao, Yijun Yang, Kangwei Guo, Ruiqiang Xiao, Haipeng Zhou, Haisu Tao, Jian Yang, Lei Zhu</i> <i>Presenter: Xincheng Yao, The Hong Kong University of Science and Technology (Guangzhou), China</i>
931	Poster Session 1	B71 (Wed-PM)	Co-Seg: Mutual Prompt-Guided Collaborative Learning for Tissue and Nuclei Segmentation <i>Authors: Qing Xu, Wenting Duan, Zhen Chen</i> <i>Presenter: Qing Xu, University of Nottingham, United Kingdom</i>
932	Poster Session 1	C116 (Wed-PM)	MVP-LLMs: Optimizing Intervention Timing and Subsequent Decision Support for Mechanical Ventilation Parameter Control Using Large Language Models <i>Authors: Teqi Hao, Xiaoyu Tan, Bin Li, Xuemin Wang, Chao Qu, Yinghui Xu, Xihe Qiu</i> <i>Presenter: Teqi Hao, Shanghai University of Engineering Science, China</i>
935	Poster Session 1	C121 (Wed-PM)	Continual Retinal Vision-Language Pre-training upon Incremental Imaging Modalities <i>Authors: Yuang Yao, Ruiqi Wu, Yi Zhou, Tao Zhou</i> <i>Presenter: Yuang Yao, Southeast University, China</i>
938	Poster Session 5	A55 (Fri-PM)	A Semi-Supervised Knowledge Distillation Framework for Left Ventricle Segmentation and Landmark Detection in Echocardiograms <i>Authors: Haoyuan Chen, Yonghao Li, Long Yang, Han Wu, Lin Zhou, Kaicong Sun, Dinggang Shen</i> <i>Presenter: Haoyuan Chen, ShanghaiTech University, China</i>
949	Poster Session 1	B331 (Wed-PM)	Adaptive Embedding for Long-Range High-Order Dependencies via Time-Varying Transformer on fMRI <i>Authors: Rundong Xue, Xiangmin Han, Hao Hu, Zeyu Zhang, Shaoyi Du, Yue Gao</i>

			<i>Presenter: Rundong Xue, Xi'an Jiaotong University, China</i>
951	Poster Session 3	C108 (Thu-PM)	Prior-guided Prototype Aggregation Learning for Alzheimer's Disease Diagnosis <i>Authors: Yueqin Diao, Huihui Fang, Hanyi Yu, Yuning Wang, Yaling Tao, Ziyang Huang, Si Yong Yeo, Yanwu Xu</i> <i>Presenter: Yueqin Diao, South China University of Technology, China</i>
954	Poster Session 2	B67 (Thu-AM)	MRI Motion Artifact Correction via Frequency-Assisted Artifact Disentanglement and Confidence-Guided Knowledge Distillation <i>Authors: Jiazhen Wang, Heran Yang, Yizhe Yang, Jian Sun</i> <i>Presenter: Jiazhen Wang, Xi'an Jiaotong University, China</i>
958	Poster Session 3	C113 (Thu-PM)	Collateral Circulation guided Multi-modality Fusion Network for Postoperative Infarct Prediction <i>Authors: Yichen Guo, Xinyi Zhao, Lisong Dai, Heming Dong, Lai Jiang, Mai Xu, Shengxi Li</i> <i>Presenter: Lai Jiang, Beihang University, China</i>
965	Poster Session 5	A310 (Fri-PM)	Alzheimer's Disease Recognition Based on Adaptive Graph Normalization Flow for Incomplete Multimodal Data Fusion <i>Authors: Yaqin Li, Yihong Dong, Yanan Wu, Haihao Yan, Linlin Gao</i> <i>Presenter: Yaqin Li, Ningbo University, China</i>
966	Poster Session 3	A328 (Thu-PM)	ADaptation: Reconstruction-based Unsupervised Active Learning for Breast Ultrasound Diagnosis <i>Authors: Yaofei Duan, Yuhao Huang, Xin Yang, Luyi Han, Xinyu Xie, Zhiyuan Zhu, Ping He, Ka-Hou Chan, Ligang Cui, Sio-Kei Im, Dong Ni, Tao Tan</i> <i>Presenter: Yaofei Duan, Macao Polytechnic University, China</i>
970	Poster Session 4	A64 (Fri-AM)	Embedding-Based Federated Data Sharing via Differentially Private Conditional VAEs <i>Authors: Francesco Di Salvo, Hanh Huyen My Nguyen, Christian Ledig</i> <i>Presenter: Francesco Di Salvo, University of Bamberg, Germany</i>
976	Poster Session 1	C126 (Wed-PM)	MAKE: Multi-Aspect Knowledge-Enhanced Vision-Language Pretraining for Zero-shot Dermatological Assessment <i>Authors: Siyuan Yan, Xieji Li, Ming Hu, Yiwen Jiang, Zhen Yu, Zongyuan Ge</i> <i>Presenter: Siyuan Yan, Monash University, Australia</i>
977	Poster Session 2	C162 (Thu-AM)	A Boundary-aware Cold-Diffusion Model for Electron Microscopy Segmentation <i>Authors: Muge Qi, Ruohua Shi, Yu Cai, Liuyuan He, Wenyao Wang, Lei Ma</i> <i>Presenter: Muge Qi, Peking University, China</i>
981	Poster Session 3	A273 (Thu-PM)	Global and Local Vision-Language Alignment for Few-Shot Learning and Few-Shot OOD Detection <i>Authors: Jie Yan, Xiaoyuan Guan, Wei-Shi Zheng, Hao Chen, Ruixuan Wang</i> <i>Presenter: Jie Yan, Sun Yat-sen University, China</i>
985	Poster Session 1	C131 (Wed-PM)	Hierarchical Vision-Language Learning for Medical Out-of-Distribution Detection <i>Authors: Runhe Lai, Xinhua Lu, Kanghao Chen, Qichao Chen, Wei-Shi Zheng, Ruixuan Wang</i> <i>Presenter: Runhe Lai, Sun Yat-sen University, China</i>
994	Poster Session 1	C1 (Wed-PM)	WSI-Agents: A Collaborative Multi-Agent System for Multi-Modal Whole Slide Image Analysis <i>Authors: Xinheng Lyu, Yuci Liang, Wenting Chen, Meidan Ding, Jiaqi Yang, Guolin Huang, Daokun Zhang, Xiangjian He, Linlin Shen</i> <i>Presenter: Xinheng Lyu, University of Nottingham Ningbo China, China</i>
999	Poster Session 5	A60 (Fri-PM)	Weakly Semi-Supervised Cervical Lesion Cell Detection via Twin-Memory Augmented Multiple Instance Learning <i>Authors: Manman Fei, Zhiyun Song, Zhenrong Shen, Mengjun Liu, Qian Wang, Lichi Zhang</i> <i>Presenter: Manman Fei, Shanghai Jiao Tong University, China</i>

1001	Poster Session 1	A316 (Wed-PM)	Refining Cervical Cell Classification with Cytological Knowledge and Optimal Attribute Descriptor Matching <i>Authors: Manman Fei, Zhenrong Shen, Mengjun Liu, Zhiyun Song, Yusong Sun, Xu Han, Zelin Liu, Haotian Jiang, Lu Bai, Qian Wang, Lichi Zhang</i> <i>Presenter: Manman Fei, Shanghai Jiao Tong University, China</i>
1012	Poster Session 2	B7 (Thu-AM)	BME2: A Plug-and-Play Bridge-Based Module for Misalignment Estimation and Elimination in Multi-Scan Image Restoration <i>Authors: Wenxuan Chen, Caiwen Jiang, Xiaolei Song, Dinggang Shen</i> <i>Presenter: Wenxuan Chen, Tsinghua University, China</i>
1015	Poster Session 5	C95 (Fri-PM)	EndoGen: Conditional Autoregressive Endoscopic Video Generation <i>Authors: Xinyu Liu, Hengyu Liu, Cheng Wang, Tianming Liu, Yixuan Yuan</i> <i>Presenter: Yixuan Yuan, The Chinese University of Hong Kong, Hong Kong SAR</i>
1017	Poster Session 5	A325 (Fri-PM)	A Causality-Inspired Model for Intima-Media Thickening Assessment in Ultrasound Videos <i>Authors: Shuo Gao, Meng Yang, Jun Xue, Yang Chen, Jingyang Zhang, Guangquan Zhou</i> <i>Presenter: Shuo Gao, Southeast University, China</i>
1025	Poster Session 1	A36 (Wed-PM)	PR-ENDO: Physically Based Relightable Gaussian Splatting for Endoscopy <i>Authors: Joanna Kaleta, Weronika Smolak-Dyżewska, Dawid Malarz, Diego Dall’Alba, Przemysław Korzeniowski, Przemysław Spurek</i> <i>Presenters: Joanna Kaleta and Weronika Smolak-Dyżewska, Jagiellonian University, Poland</i>
1032	Poster Session 4	A44 (Fri-AM)	On the Interplay of Human-AI Alignment, Fairness, and Performance Trade-offs in Medical Imaging <i>Authors: Haozhe Luo, Ziyu Zhou, Shelley Zixin Shu, Aurélie Pahud de Mortanges, Robert Berke, Mauricio Reyes</i> <i>Presenter: Haozhe Luo, University of Bern, Switzerland</i>
1034	Poster Session 1	B21 (Wed-PM)	Multi-expert collaboration and knowledge enhancement network for multimodal emotion recognition <i>Authors: Kun Wang, Junyong Zhao, Liying Zhang, Qi Zhu, Daoqiang Zhang</i> <i>Presenter: Kun Wang, Nanjing University of Aeronautics and Astronautics, China</i>
1037	Poster Session 5	C10 (Fri-PM)	Guided Augmentation for Monocular Depth Estimation in Cell Microscopy <i>Authors: Abhishek Viswanathan, Rajagopalan A.N., Nikhil Yelamathy, Ankit Rai, Pradeep Ramachandran</i> <i>Presenter: Abhishek Viswanathan, KLA Corporation, India</i>
1040	Poster Session 3	B113 (Thu-PM)	CellStyle: Improved Zero-Shot Cell Segmentation via Style Transfer <i>Authors: Rüveyda Yilmaz, Zhu Chen, Yuli Wu, Johannes Stegmaier</i> <i>Presenter: Rüveyda Yilmaz, RWTH Aachen University, Germany</i>
1043	Poster Session 4	B39 (Fri-AM)	Motion-Boundary-Driven Unsupervised Surgical Instrument Segmentation in Low-Quality Optical Flow <i>Authors: Yang Liu, Peiran Wu, Jiayu Huo, Gongyu Zhang, Zhen Yuan, Christos Bergeles, Rachel Sparks, Prokar Dasgupta, Alejandro Granados, Sebastien Ourselin</i> <i>Presenter: Yang Liu, King's College London, United Kingdom</i>
1048	Poster Session 1	C136 (Wed-PM)	Fair-MoE: Medical Fairness-Oriented Mixture of Experts in Vision-Language Models <i>Authors: Peiran Wang, Linjie Tong, Jian Wu, Jiaxiang Liu, Zuozhu Liu</i> <i>Presenter: Linjie Tong, University of Illinois Urbana-Champaign, United States</i>
1050	Poster Session 3	C118 (Thu-PM)	Temporal Atlas-Guided Generation of Longitudinal Data via Geometric Latent Embeddings <i>Authors: Shaoju Wu, Jian Wang, Sila Kurugol, Andy Tsai</i>

			<i>Presenter: Sila Kurugol, Boston Children's Hospital and Harvard Medical School, United States</i>
1054	Poster Session 4	C109 (Fri-AM)	Ultra-Low-Field MRI Enhancement via INR-Based Style Transfer <i>Authors: Kh Tohidul Islam, Mevan Ekanayake, Zhaolin Chen</i> <i>Presenter: Zhaolin Chen, Monash University, Australia</i>
1056	Poster Session 4	C114 (Fri-AM)	Flow Matching for Medical Image Synthesis: Bridging the Gap Between Speed and Quality <i>Authors: Milad Yazdani, Yasamin Medghalchi, Pooria Ashrafian, Ilker Hacihaliloglu, Dena Shahriari</i> <i>Presenter: Milad Yazdani, The University of British Columbia, Canada</i>
1060	Poster Session 1	C141 (Wed-PM)	HiLa: Hierarchical Vision-Language Collaboration for Cancer Survival Prediction <i>Authors: Jiaqi Cui, Lu Wen, Yuchen Fei, Bo Liu, Luping Zhou, Dinggang Shen, Yan Wang</i> <i>Presenter: Jiaqi Cui, Sichuan University, China</i>
1062	Poster Session 1	B76 (Wed-PM)	MG-UNet: A Memory-Guided UNet for Lesion Segmentation in Chest Images <i>Authors: Shuaipeng Ding, Mingyong Li, Chao Wang</i> <i>Presenter: Shuaipeng Ding, Chongqing Normal University, China</i>
1065	Poster Session 3	C123 (Thu-PM)	Reliable and Interpretable Visual Field Progression Prediction with Diffusion Models and Conformal Risk Control <i>Authors: Wenwen Si, Vivian Lin, Bo Sun, Kuk Jin Jang, Rubo Xing, Almiqdad Saeed, Rina Nagatani, Oleg Sokolsky, Insup Lee, Lama Al-Aswad</i> <i>Presenter: Vivian Lin, University of Pennsylvania, United States</i>
1069	Poster Session 4	A69 (Fri-AM)	Incorporating Rather Than Eliminating: Achieving Fairness for Skin Disease Diagnosis Through Group-Specific Experts <i>Authors: Gelei Xu, Yuying Duan, Zheyuan Liu, Xueyang Li, Meng Jiang, Michael Lemmon, Wei Jin, Yiyu Shi</i> <i>Presenter: Gelei Xu, University of Notre Dame, United States</i>
1072	Poster Session 5	C105 (Fri-PM)	Enjoying Information Dividend: Gaze Track-based Medical Weakly Supervised Segmentation <i>Authors: Zhisong Wang, Yiwen Ye, Ziyang Chen, Yong Xia</i> <i>Presenter: Zhisong Wang, Northwestern Polytechnical University, China</i>
1075	Poster Session 3	B118 (Thu-PM)	Noise-Robust Tuning of SAM for Domain Generalized Ultrasound Image Segmentation <i>Authors: Zhikai Wei, Chao Wu, Hanyu Du, Rui Yu, Bo Du, Yongchao Xu</i> <i>Presenter: Zhikai Wei, Wuhan University, China</i>
1077	Poster Session 4	C119 (Fri-AM)	NeRF-based CBCT Reconstruction needs Normalization and Initialization <i>Authors: Zhuowei Xu, Han Li, Dai Sun, Zhicheng Li, Yujia Li, Qingpeng Kong, Zhiwei Cheng, Nassir Navab, S. Kevin Zhou</i> <i>Presenter: Zhuowei Xu, University of Science and Technology of China, China</i>
1080	Poster Session 5	B70 (Fri-PM)	Core-Periphery Principle Guided State Space Model for Functional Connectome Classification <i>Authors: Minheng Chen, Xiaowei Yu, Jing Zhang, Tong Chen, Chao Cao, Yan Zhuang, Yanjun Lyu, Lu Zhang, Tianming Liu, Dajiang Zhu</i> <i>Presenter: Minheng Chen, University of Texas at Arlington, United States</i>
1105	Poster Session 3	C128 (Thu-PM)	Fine-Grained Rib Fracture Diagnosis with Hyperbolic Embeddings: A Detailed Annotation Framework and Multi-Label Classification Model <i>Authors: Shripad Pate, Aiman Farooq, Suvrakar Datta, Musadiq Aadil Sheikh, Atin Kumar, Deepak Mishra</i> <i>Presenter: Aiman Farooq, Indian Institute of Technology Jodhpur, India</i>

1113	Poster Session 4	C124 (Fri-AM)	Controllable Flow Matching for 3D Contrast-Enhanced Brain MRI Synthesis from Non-Contrast Scans <i>Authors: Heng Chang, Yu Shang, Haifeng Wang, Yuxia Liang, Haoyu Wang, Fan Wang, Chen Niu, Chunfeng Lian</i> <i>Presenter: Chunfeng Lian, Xi'an Jiaotong University, China</i>
1122	Poster Session 2	A277 (Thu-AM)	Bowsher prior Enhanced Unsupervised PET image Denoising <i>Authors: Zhongxue Wu, Jiankai Wu, Jianan Cui, Yuanjing Feng, Zan Chen</i> <i>Presenter: Zhongxue Wu, Zhejiang University of Technology, China</i>
1126	Poster Session 3	A128 (Thu-PM)	All-in-One Medical Image Restoration with Latent Diffusion-Enhanced Vector-Quantized Codebook Prior <i>Authors: Haowei Chen, Zhiwen Yang, Haotian Hou, Hui Zhang, Bingzheng Wei, Gang Zhou, Yan Xu</i> <i>Presenter: Haowei Chen, Beihang University, China</i>
1131	Poster Session 1	A151 (Wed-PM)	FEAT: Full-Dimensional Efficient Attention Transformer for Medical Video Generation <i>Authors: Huihan Wang, Zhiwen Yang, Hui Zhang, Dan Zhao, Bingzheng Wei, Yan Xu</i> <i>Presenter: Zhiwen Yang, Beihang University, China</i>
1137	Poster Session 4	C134 (Fri-AM)	DuoDent: Tooth Generation using Dual-Stream Diffusion with Normal Consistency <i>Authors: Doeyoung Kwon, Seongjun Kim, In-Seok Song, Seung Jun Baek</i> <i>Presenter: Doeyoung Kwon, Korea University, Republic of Korea</i>
1140	Poster Session 2	C167 (Thu-AM)	RSAD: Region-Specific Anomaly Detection in fMRI for Disease Diagnosis <i>Authors: Yusong Sun, Dongdong Chen, Mengjun Liu, Zhenrong Shen, Zhiyun Song, Yuqi Hu, Manman Fei, Xu Han, Zelin Liu, Xingkai Fang, Lu Bai, Lichi Zhang</i> <i>Presenter: Yusong Sun, Shanghai Jiao Tong University, China</i>
1142	Poster Session 2	C172 (Thu-AM)	A Virtual Domain Collaborative Learning Framework for Semi-supervised Microscopic Hyperspectral Image Segmentation <i>Authors: Geng Qin, Huan Liu, Wei Li, Haihao Zhang, Yuxing Guo</i> <i>Presenter: Geng Qin, Beijing Institute of Technology, China</i>
1144	Poster Session 1	B81 (Wed-PM)	Hybrid-View Attention Network for Clinically Significant Prostate Cancer Classification in Transrectal Ultrasound <i>Authors: Zetian Feng, Juan Fu, Xuebin Zou, Hongsheng Ye, Hong Wu, Jianhua Zhou, Yi Wang</i> <i>Presenter: Zetian Feng, Shenzhen University, China</i>
1154	Poster Session 2	C177 (Thu-AM)	Compact Training-free NAS with Alternating Evolution Game for Medical Image Segmentation <i>Authors: Xiaoxue Sun, Hongpeng Wang, Pei-Cheng Song</i> <i>Presenter: Xiaoxue Sun, Nankai University, China</i>
1155	Poster Session 3	A338 (Thu-PM)	TAT: Task-Adaptive Transformer for All-in-One Medical Image Restoration <i>Authors: Zhiwen Yang, Jiaju Zhang, Yang Yi, Jian Liang, Bingzheng Wei, Yan Xu</i> <i>Presenter: Zhiwen Yang, Beihang University, China</i>
1160	Poster Session 1	C146 (Wed-PM)	RadIR: A Scalable Framework for Multi-Grained Medical Image Retrieval via Radiology Report Mining <i>Authors: Tengfei Zhang, Ziheng Zhao, Chaoyi Wu, Xiao Zhou, Ya Zhang, Yanfeng Wang, Weidi Xie</i> <i>Presenter: Ziheng Zhao, Shanghai Jiao Tong University, China</i>
1175	Poster Session 5	A180 (Fri-PM)	Masked Contrastive Language-Image Modeling For Brain Segmentation <i>Authors: Jianwen Liang, Junyan Lyu, Yixuan Yuan, Xiaoying Tang</i> <i>Presenter: Jianwen Liang, Southern University of Science and Technology, China</i>

1178	Poster Session 4	C14 (Fri-AM)	High-Fidelity Unified One-to-Many Medical Image Synthesis via Text-Conditioned Latent Diffusion <i>Authors: Youjian Zhang, Jian Huang, Jie Wang, Zezhou Li, Zhongya Wang, Guanqun Zhou, Zhicheng Zhang, Gang Yu</i> <i>Presenter: Youjian Zhang, JancsiLab, JancsiTech, Hong Kong SAR</i>
1179	Poster Session 4	A74 (Fri-AM)	Seeing Beyond the Surface: Retinal Thickness Prediction from Color Fundus Photography for DME Management <i>Authors: Wenquan Cheng, Yihua Sun, Jinyuan Wang, Jia Guo, Zihan Li, Zhuhao Wang, Guochen Ning, Yingfeng Zheng, Hongen Liao, Tien Yin Wong, Su Jeong Song</i> <i>Presenter: Wenquan Cheng, Tsinghua University, China</i>
1180	Poster Session 4	A378 (Fri-AM)	PathVG: A New Benchmark and Dataset for Pathology Visual Grounding <i>Authors: Chunlin Zhong, Shuang Hao, Junhua Wu, Xiaona Chang, Jiwei Jiang, Xiu Nie, He Tang, Xiang Bai</i> <i>Presenters: Chunlin Zhong and Shuang Hao, Huazhong University of Science and Technology, China</i>
1182	Poster Session 3	C88 (Thu-PM)	DISCLOSE the Neurodegeneration Dynamics: Individualized ODE Discovery for Alzheimer's Disease Precision Medicine <i>Authors: Wooseok Jung, Joonhyuk Park, Won Hwa Kim</i> <i>Presenter: Joonhyuk Park, Pohang University of Science and Technology, Republic of Korea</i>
1195	Poster Session 5	C110 (Fri-PM)	Hybrid Graph Mamba: Unlocking Non-Euclidean Potential for Accurate Polyp Segmentation <i>Authors: Yueyue Zhu, Haolin Lv, Geng Chen, Zhonghao Zhang, Haotian Jiang, Yong Xia</i> <i>Presenter: Yueyue Zhu, Northwestern Polytechnical University, China</i>
1207	Poster Session 1	C151 (Wed-PM)	V2T-CoT: From Vision to Text Chain-of-Thought for Medical Reasoning and Diagnosis <i>Authors: Yuan Wang, Jiaxiang Liu, Shujian Gao, Bin Feng, Zhihang Tang, Xiaotang Gai, Jian Wu, Zuozhu Liu</i> <i>Presenter: Yuan Wang, Zhejiang University, China</i>
1213	Poster Session 3	B123 (Thu-PM)	Multi-Tube-Voltage vBMD Measurement via Dual-Branch Frequency Balancing and Asymmetric Channel Attention <i>Authors: Mengze Zhang, Yali Li, HuiShu Yuan, Zhen Qian</i> <i>Presenter: Mengze Zhang, United Imaging Healthcare, Co., Ltd, China</i>
1214	Poster Session 4	B44 (Fri-AM)	Enforcing Geometric Constraints of Surface Normal and Pose for Self-supervised Monocular Depth Estimation on Laparoscopic Images <i>Authors: Wenda Li, Yuichiro Hayashi, Masahiro Oda, Takayuki Kitasaka, Kazunari Misawa, Kensaku Mori</i> <i>Presenter: Wenda Li, Naogya University, Japan</i>
1216	Poster Session 4	C139 (Fri-AM)	InstructX2X: An Interpretable Local Editing Model for Counterfactual Medical Image Generation <i>Authors: Hyungi Min, Taeseung You, Hangyeul Lee, Yeongjae Cho, Sungzoon Cho</i> <i>Presenter: Hyungi Min, Seoul National University, Republic of Korea</i>
1222	Poster Session 1	B326 (Wed-PM)	MedGround-R1: Advancing Medical Image Grounding via Spatial-Semantic Rewarded Group Relative Policy Optimization <i>Authors: Huihui Xu, Yuanpeng Nie, Hualiang Wang, Ying Chen, Wei Li, Junzhi Ning, Lihao Liu, Hongqiu Wang, Lei Zhu, Jiyao Liu, Xiaomeng Li, Junjun He</i> <i>Presenter: Huihui Xu, Shanghai AI Lab, China</i>
1230	Poster Session 1	A41 (Wed-PM)	Hierarchical Feature Learning for Medical Point Clouds via State Space Model <i>Authors: Guoqing Zhang, Jingyun Yang, Yang Li</i> <i>Presenter: Guoqing Zhang, Tsinghua Shenzhen International Graduate School, China</i>
1231	Poster Session 3	B13	MedPro-DG: Domain-Aware Masked Contrastive Prompt Learning of Institution Generalization for Outcome Prediction

		(Thu-PM)	<i>Authors: Rongfang Wang, JiaSheng Chen, Xinlong Zhang, Jing Wang, Hui Liu, Zhiguo Zhou, Kai Wang</i> <i>Presenter: Rongfang Wang, Xidian University, China</i>
1233	Poster Session 1	C156 (Wed-PM)	PromptReg: Universal Medical Image Registration via Task Prompt Learning and Domain Knowledge Transfer <i>Authors: Housheng Xie, Xiaoru Gao, Guoyan Zheng</i> <i>Presenter: Housheng Xie, Shanghai Jiao Tong University, China</i>
1237	Poster Session 2	C182 (Thu-AM)	UniOCTSeg: Towards Universal OCT Retinal Layer Segmentation via Hierarchical Prompting and Progressive Consistency Learning <i>Authors: Jian Zhong, Li Lin, Chaoran Miao, Kenneth K. Y. Wong, Xiaoying Tang</i> <i>Presenter: Jian Zhong, Southern University of Science and Technology, China</i>
1238	Poster Session 5	B75 (Fri-PM)	Cross-Modal Brain Graph Transformer via Function-Structure Connectivity Network for Brain Disease Diagnosis <i>Authors: Jingxi Feng, Heming Xu, Junhao Cai, Yujie Chang, Dong Zhang, Shaoyi Du, Juan Wang</i> <i>Presenter: Jingxi Feng, Xi'an Jiaotong University, China</i>
1250	Poster Session 3	B133 (Thu-PM)	UltraAD: Fine-Grained Ultrasound Anomaly Classification via Few-Shot CLIP Adaptation <i>Authors: Yue Zhou, Yuan Bi, Wenjuan Tong, Wei Wang, Nassir Navab, Zhongliang Jiang</i> <i>Presenter: Yue Zhou, Technical University of Munich, Germany</i>
1254	Poster Session 3	A193 (Thu-PM)	PathoPainter: Augmenting Histopathology Segmentation via Tumor-aware Inpainting <i>Authors: Hong Liu, Haosen Yang, Evi M. C. Huijben, Mark Schuiveling, Ruisheng Su, Josien P. W. Pluim, Mitko Veta</i> <i>Presenter: Hong Liu, Eindhoven University of Technology, The Netherlands</i>
1256	Poster Session 4	C149 (Fri-AM)	FilterDiff: Noise-free Frequency-domain Diffusion Models for Accelerated MRI Reconstruction <i>Authors: Tao Song, Fang Nie, Yi Guo, Feng Xu, Shaoting Zhang</i> <i>Presenter: Tao Song, Fudan University, China</i>
1260	Poster Session 5	B80 (Fri-PM)	Explainable Classifier for Malignant Lymphoma Subtyping via Cell Graph and Image Fusion <i>Authors: Daiki Nishiyama, Hiroaki Miyoshi, Noriaki Hashimoto, Koichi Ohshima, Hidekata Hontani, Ichiro Takeuchi, Jun Sakuma</i> <i>Presenter: Daiki Nishiyama, Institute of Science Tokyo / RIKEN AIP, Japan</i>
1264	Poster Session 3	C13 (Thu-PM)	Enhancing WSI-Based Survival Analysis with Report-Auxiliary Self-Distillation <i>Authors: Zheng Wang, Hong Liu, Zheng Wang, Danyi Li, Min Cen, Baptiste Magnier, Li Liang, Liansheng Wang</i> <i>Presenter: Liansheng Wang, Xiamen University, China</i>
1266	Poster Session 2	B277 (Thu-AM)	Query-Level Alignment for End-to-End Lesion Detection with Human Gaze <i>Authors: Yan Kong, Zhixiang Peng, Yuan Yin, Yonghao Li, Jiangdong Cai, Sheng Wang, Qian Wang, Yuqi Fang, Caifeng Shan</i> <i>Presenter: Yan Kong, Nanjing University, China</i>
1268	Poster Session 2	C187 (Thu-AM)	Spherical Diffusion Process for Score-Guided Cortical Correspondence via Spectral Attention <i>Authors: Seungeun Lee, Sergey Pyatkovskiy, Jaejun Yoo, Ilwoo Lyu</i> <i>Presenter: Seungeun Lee, KIlleon, Republic of Korea</i>
1271	Poster Session 1	C16 (Wed-PM)	DentEval: Fine-tuning-Free Expert-Aligned Assessment in Dental Education via LLM Agents <i>Authors: Xinyu Deng, Vesna Miletic, Elvis Trinh, Jinlong Gao, Chang Xu, Daochang Liu</i> <i>Presenter: Xinyu Deng, The University of Sydney, Australia</i>

1272	Poster Session 4	C189 (Fri-AM)	3D Acetabular Surface Reconstruction from 2D Pre-operative X-ray Images using SRVF Elastic Registration and Deformation Graph <i>Authors: Shuai Zhang, Jinliang Wang, Xu Wang, Sujith Konan, Danail Stoyanov, Evangelos B. Mazomenos</i> <i>Presenter: Shuai Zhang, University College London, United Kingdom</i>
1273	Poster Session 1	C166 (Wed-PM)	RRG-DPO: Direct Preference Optimization for Clinically Accurate Radiology Report Generation <i>Authors: Hong Liu, Dong Wei, Zhe Xu, Xian Wu, Yefeng Zheng, Liansheng Wang</i> <i>Presenters: Hong Liu, Xiamen University, China and Zhe Liu, The Chinese University of Hong Kong, Hong Kong SAR</i>
1274	Poster Session 3	C138 (Thu-PM)	VMRA-MaR: An Asymmetry-Aware Temporal Framework for Longitudinal Breast Cancer Risk Prediction <i>Authors: Zijun Sun, Solveig Thrun, Michael Kampffmeyer</i> <i>Presenter: Zijun Sun, University of Bologna, Italy</i>
1277	Poster Session 3	B138 (Thu-PM)	Learning Disease State from Noisy Ordinal Disease Progression Labels <i>Authors: Gustav Schmidt, Holger Heidrich, Philipp Berens, Sarah Müller</i> <i>Presenter: Gustav Schmidt, University of Tübingen, Germany</i>
1278	Poster Session 4	C159 (Fri-AM)	FMM-Diff: A Feature Mapping and Merging Diffusion Model for MRI Generation with Missing Modality <i>Authors: Wenjin Zhong, Cong Cong, Zihan Wang, Zeya Yan, Antonio Di Ieva, Sidong Liu</i> <i>Presenter: Wenjin Zhong, Macquarie University, Australia</i>
1281	Poster Session 5	A65 (Fri-PM)	Spatial Aggregation for Semi-supervised Active Learning in 3D Medical Image Segmentation <i>Authors: Siteng Ma, Honghui Du, Dairui Liu, Kathleen M. Curran, Aonghus Lawlor, Ruihai Dong</i> <i>Presenter: Siteng Ma, University College Dublin, Ireland</i>
1304	Poster Session 3	B143 (Thu-PM)	Leveraging Diffusion Models for Continual Test-Time Adaptation in Fundus Image Classification <i>Authors: Mingsi Liu, Xiang Li, Mengxiang Guo, Lixin Duan, Huihui Fang, Yanwu Xu</i> <i>Presenter: Mingsi Liu, University of Electronic Science and Technology of China, China</i>
1305	Poster Session 2	B317 (Thu-AM)	Neural Proteomics Fields for Super-resolved Spatial Proteomics Prediction <i>Authors: Bokai Zhao, Weiyang Shi, Hanqing Chao, Zijiang Yang, Yiyang Zhang, Ming Song, Tianzi Jiang</i> <i>Presenter: Bokai Zhao, Institute of Automation, Chinese Academy of Sciences, China</i>
1316	Poster Session 4	B9 (Fri-AM)	Automatic Deep Deformable Registration using Domain Adaptation and Run-Time Optimisation <i>Authors: Emilien Gadoux, Adrien Bartoli</i> <i>Presenter: Emilien Gadoux, Institut Pascal, France</i>
1320	Poster Session 5	B65 (Fri-PM)	Endo-4DGX: Robust Endoscopic Scene Reconstruction and Illumination Correction with Gaussian Splatting <i>Authors: Yiming Huang, Long Bai, Beilei Cui, Yanheng Li, Tong Chen, Jie Wang, Jinlin Wu, Zhen Lei, Hongbin Liu, Hongliang Ren</i> <i>Presenter: Yiming Huang, The Chinese University of Hong Kong, Hong Kong SAR</i>
1323	Poster Session 4	B54 (Fri-AM)	Smarter Self-Distillation: Optimizing the Teacher for Surgical Video Applications <i>Authors: Amine Yamlahi, Piotr Kalinowski, Patrick Godau, Rayan Younis, Martin Wagner, Beat Müller, Lena Maier-Hein</i> <i>Presenter: Amine Yamlahi, German Cancer Research Center (DKFZ), Germany</i>
1324	Poster Session 4	B59	SurgTPGS: Semantic 3D Surgical Scene Understanding with Text Promptable Gaussian Splatting

		(Fri-AM)	<i>Authors: Yiming Huang, Long Bai, Beilei Cui, Kun Yuan, Guankun Wang, Mobarak I. Hoque, Nicolas Padoy, Nassir Navab, Hongliang Ren</i> <i>Presenter: Yiming Huang, The Chinese University of Hong Kong, Hong Kong SAR</i>
1326	Poster Session 1	C171 (Wed-PM)	Interactive Segmentation and Report Generation for CT Images <i>Authors: Yannian Gu, Wenhui Lei, Hanyu Chen, Shaoting Zhang, Xiaofan Zhang</i> <i>Presenter: Xiaofan Zhang, Shanghai Jiao Tong University, China</i>
1330	Poster Session 2	B77 (Thu-AM)	Path Signature Features Revealed SSRI-Induced White Matter Morphological Reorganization in Depressions <i>Authors: Jiaolong Qin, Weihong Dong, Huangjing Ni, Zhijian Yao, Qing Lu, Ye Wu</i> <i>Presenter: Ye Wu, Nanjing University of Science and Technology, China</i>
1331	Poster Session 4	C164 (Fri-AM)	D3M: Deformation-Driven Diffusion Model for Synthesis of Contrast-Enhanced MRI with Brain Tumors <i>Authors: Haowen Pang, Peng Zhang, Xiaoming Hong, Shannan Chen, Chuyang Ye</i> <i>Presenter: Haowen Pang, Beijing Institute of Technology, China</i>
1332	Poster Session 5	A75 (Fri-PM)	Inter-class separability loss for weakly supervised mutually exclusive multiclass segmentation of brain tumor lesions <i>Authors: Vivek Dhamale, Vaanathi Sundaresan</i> <i>Presenter: Vivek Dhamale, Indian Institute of Science, Bangalore, India</i>
1336	Poster Session 2	C67 (Thu-AM)	PerioDet: Large-Scale Panoramic Radiograph Benchmark for Clinical-Oriented Apical Periodontitis Detection <i>Authors: Xiaocheng Fang, Jieyi Cai, Huanyu Liu, Chengju Zhou, Minhua Lu, Bingzhi Chen</i> <i>Presenter: Bingzhi Chen, Beijing Institute of Technology, China</i>
1341	Poster Session 5	A300 (Fri-PM)	BrainMT: A Hybrid Mamba-Transformer Architecture for Modeling Long-Range Dependencies in Functional MRI Data <i>Authors: Arunkumar Kannan, Martin A. Lindquist, Brian Caffo</i> <i>Presenter: Arunkumar Kannan, Johns Hopkins University, United States</i>
1342	Poster Session 1	C176 (Wed-PM)	PedCLIP: A Vision-Language model for Pediatric X-rays with Mixture of Body part Experts <i>Authors: Ta Duc Huy, Abin Shoby, Sen Tran, Yutong Xie, Qi Chen, Phi Le Nguyen, Akshay Gole, Lingqiao Liu, Antonios Perperidis, Mark Friswell, Rebecca Linke, Andrea Glynn, Minh-Son To, Anton van den Hengel, Johan Verjans, Zhibin Liao, Minh Hieu Phan</i> <i>Presenter: Ta Duc Huy, The University of Adelaide, Australia</i>
1349	Poster Session 5	B85 (Fri-PM)	Multiscale Graph and Multi-Step Cross-Frame Mamba for Myocarditis Lesion Segmentation <i>Authors: Chengjin Yu, Hao Zhang, Yuanting Yan, Dong Zhang, Sangyin Lv, Cailing Pu</i> <i>Presenter: Hao Zhang, Anhui University, China</i>
1355	Poster Session 4	B64 (Fri-AM)	EndoDAV: Depth Any Video in Endoscopy with Spatiotemporal Accuracy <i>Authors: Zanwei Zhou, Chen Yang, Piao Yang, Xiaokang Yang, Wei Shen</i> <i>Presenter: Zanwei Zhou, Shanghai Jiao Tong University, China</i>
1356	Poster Session 2	B82 (Thu-AM)	MorphoBoost: Morphology-Driven Boundary Enhancement Model for Accurate Segmentation of Langerhans Cells in Corneal Confocal Microscopy Images <i>Authors: Hongshuo Li, Ankai Dong, Tiande Zhang, Shijia Zhou, Yalin Zheng, Lei Mou, Yitian Zhao</i> <i>Presenter: Hongshuo Li, Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences, China</i>
1359	Poster Session 3	C143 (Thu-PM)	OTSurv: A Novel Multiple Instance Learning Framework for Survival Prediction with Heterogeneity-aware Optimal Transport <i>Authors: Qin Ren, Yifan Wang, Ruogu Fang, Haibin Ling, Chenyu You</i> <i>Presenter: Chenyu You, Stony Brook University, United States</i>
1362	Poster Session 4	A79	GradInvDiff: Stealing Medical Privacy in Federated Learning via Diffusion-Based Gradient Inversion

		(Fri-AM)	<i>Authors: Zhiyuan Wang, Daisong Gan, Wenzhuo Fang, Yuliang Zhu, Kun Liu</i> <i>Presenter: Daisong Gan, University of Chinese Academy of Sciences, China</i>
1363	Poster Session 3	C148 (Thu-PM)	Flexibly Distilled 3D Rectified Flow with Anatomical Constraints for Developmental Infant Brain MRI Prediction <i>Authors: Haifeng Wang, Zehua Ren, Heng Chang, Xinmei Qiu, Fan Wang, Chunfeng Lian, Jianhua Ma</i> <i>Presenter: Chunfeng Lian, Xi'an Jiaotong University, China</i>
1376	Poster Session 3	B148 (Thu-PM)	SynPo: Boosting Training-Free Few-Shot Medical Segmentation via High-Quality Negative Prompts <i>Authors: Yufei Liu, Haoke Xiao, Jiaxing Chai, Yongcun Zhang, Rong Wang, Zijie Meng, Zhiming Luo</i> <i>Presenter: Yufei Liu, Xiamen University, China</i>
1381	Poster Session 3	C283 (Thu-PM)	A flexible deep learning framework for survival analysis with medical data <i>Authors: Gabriele Campanella, Ida Häggström, Lucas Kook, Torsten Hothorn, Thomas J. Fuchs</i> <i>Presenter: Ida Häggström, Chalmers University of Technology, Sweden</i>
1387	Poster Session 2	C192 (Thu-AM)	EUReg: End-to-end Framework for Efficient 2D-3D Ultrasound Registration <i>Authors: Haiqiao Wang, Yi Wang</i> <i>Presenter: Haiqiao Wang, Shenzhen University, China</i>
1396	Poster Session 4	B4 (Fri-AM)	Towards Markerless Intraoperative Tracking of Deformable Spine Tissue <i>Authors: Connor Daly, Elettra Marconi, Marco Riva, Jinendra Ekanayake, Daniel S. Elson, Ferdinando Rodriguez y Baena</i> <i>Presenter: Connor Daly, Imperial College London, United Kingdom</i>
1399	Poster Session 3	C153 (Thu-PM)	Foundation-Model-Boosted Multimodal Learning for fMRI-based Neuropathic Pain Drug Response Prediction <i>Authors: Wenrui Fan, L. M. Riza Rizky, Jiayang Zhang, Chen Chen, Haiping Lu, Kevin Teh, Dinesh Selvarajah, Shuo Zhou</i> <i>Presenter: Wenrui Fan, The University of Sheffield, United Kingdom</i>
1404	Poster Session 4	A89 (Fri-AM)	Mutual Information Regularization for Fairness-aware Deep Imaging Representations <i>Authors: Amir Reza Sadri, Thomas DeSilvio, Satish E. Viswanath</i> <i>Presenter: Amir Reza Sadri, Case Western Reserve University, United States</i>
1410	Poster Session 1	B16 (Wed-PM)	tHPM-LDM: Integrating Individual Historical Record with Population Memory in Latent Diffusion-based Glaucoma Forecasting <i>Authors: Yuheng Fan, Jianyang Xie, Yimin Luo, Yanda Meng, Savita Madhusudhan, Gregory Y.H. Lip, Li Cheng, Yalin Zheng, He Zhao</i> <i>Presenter: Yuheng Fan, University of Liverpool, United Kingdom</i>
1417	Poster Session 1	B86 (Wed-PM)	Lymph Node Metastasis Classification with Prototype-guided Multiple Instance Aggregation and Heterogeneous Feature Fusion <i>Authors: Haoshen Li, Tashan Ai, Yirui Wang, Zhanghexuan Ji, Qinji Yu, Le Lu, Bin Dong, Li Zhang, Xianghua Ye, Kuaile Zhao, Dakai Jin</i> <i>Presenter: Haoshen Li, Peking University, China</i>
1419	Poster Session 2	B57 (Thu-AM)	Metastatic Lymph Node Station Classification in Esophageal Cancer via Prior-guided Supervision and Station-Aware Mixture-of-Experts <i>Authors: Haoshen Li, Yirui Wang, Qinji Yu, Jie Zhu, Ke Yan, Dazhou Guo, Le Lu, Bin Dong, Li Zhang, Xianghua Ye, Qifeng Wang, Dakai Jin</i> <i>Presenter: Haoshen Li, Peking University, China</i>
1440	Poster Session 1	B91 (Wed-PM)	Global and Local Contrastive Learning for Joint Representations from Cardiac MRI and ECG <i>Authors: Alexander Selivanov, Philip Müller, Özgün Turgut, Nil Stolt-Ansó, Daniel Rueckert</i>

			<i>Presenter: Alexander Selivanov, Technical University of Munich, Germany</i>
1441	Poster Session 4	B69 (Fri-AM)	Pattern-Anchored Adaptive Prototype Learning for Gastroscopic Lesion Detection and Beyond <i>Authors: Xuanye Zhang, Xiaoqing Hu, Guanbin Li, Si-Qi Liu, Xiang Wan, Yuanhuan Xiong</i> <i>Presenter: Xuanye Zhang, Shenzhen Research Institute of Big Data, CUHK-Shenzhen, China</i>
1449	Poster Session 4	C169 (Fri-AM)	CardiacFlow: 3D+t Four-Chamber Cardiac Shape Completion and Generation via Flow Matching <i>Authors: Qiang Ma, Qingjie Meng, Mengyun Qiao, Paul M. Matthews, Declan P. O'Regan, Wenjia Bai</i> <i>Presenter: Qiang Ma, Imperial College London, United Kingdom</i>
1453	Poster Session 5	A295 (Fri-PM)	SAMSA: Segment Anything Model enhanced with Spectral Angles for Hyperspectral Interactive Medical Image Segmentation <i>Authors: Alfie Roddan, Tobias Czempiel, Chi Xu, Daniel S. Elson, Stamatia Giannarou</i> <i>Presenter: Alfie Roddan, Imperial College London, United Kingdom</i>
1455	Poster Session 1	C181 (Wed-PM)	MAARTA: Multi-Agent Adaptive Radiology Teaching Assistant <i>Authors: Akash Awasthi, Brandon V. Chung, Anh M. Vu, Ngan Le, Rishi Agrawal, Zhigang Deng, Carol Wu, Hien V. Nguyen</i> <i>Presenter: Akash Awasthi, University of Houston, United States</i>
1458	Poster Session 1	C186 (Wed-PM)	Adapting Vision Foundation Models for Real-time Ultrasound Image Segmentation <i>Authors: Xiaoran Zhang, Eric Z. Chen, Lin Zhao, Xiao Chen, Yikang Liu, Boris Maihe, James S. Duncan, Terrence Chen, Shanhui Sun</i> <i>Presenter: Shanhui Sun, United Imaging Intelligence, United States</i>
1465	Poster Session 5	B35 (Fri-PM)	Robust Topographical Representation for Longitudinal Propagation of Tau Pathology <i>Authors: Jiaxin Yue, Jianwei Zhang, Xinkai Wang, Yonggang Shi</i> <i>Presenter: Jiaxin Yue, University of Southern California, United States</i>
1466	Poster Session 5	B90 (Fri-PM)	Unsupervised Anomaly Detection on Preclinical Liver H&E Whole Slide Images using Graph based Feature Distillation <i>Authors: Lin Li, Lillie Shelton, Thomas Forest, Kyathanahalli Janardhan, Tiffany Jenkins, Michael J. Napolitano, Roujia Wang, David Leigh, Tosha Shah, Grady Earl Carlson, Rajath Soans, Antong Chen</i> <i>Presenter: Lin Li, Merck & Co., Inc., United States</i>
1469	Poster Session 4	B74 (Fri-AM)	Recognizing Surgical Phases Anywhere: Few-Shot Test-time Adaptation and Task-graph Guided Refinement <i>Authors: Kun Yuan, Tingxuan Chen, Shi Li, Joël L. Lavanchy, Christian Heiliger, Ege Özsoy, Yiming Huang, Long Bai, Nassir Navab, Vinkle Srivastav, Hongliang Ren, Nicolas Padoy</i> <i>Presenter: Kun Yuan, University of Strasbourg, France & Technical University of Munich, Germany</i>
1470	Poster Session 1	C51 (Wed-PM)	LEAVS: An LLM-based Labeler for Abdominal CT Supervision <i>Authors: Ricardo Bigolin Lanfredi, Yan Zhuang, Mark Finkelstein, Praveen Thoppey Srinivasan Balamuralikrishna, Luke Krembs, Brandon Khoury, Arthi Reddy, Pritam Mukherjee, Neil M. Rofsky, Ronald M. Summers</i> <i>Presenter: Ricardo Bigolin Lanfredi, National Institutes of Health, United States</i>
1472	Poster Session 2	B87 (Thu-AM)	Structure and Smoothness Constrained Dual Networks for MR Bias Field Correction <i>Authors: Dong Liang, Xingyu Qiu, Yuzhen Li, Wei Wang, Kuanquan Wang, Suyu Dong, Gongning Luo</i> <i>Presenter: Gongning Luo, Harbin Institute of Technology, China</i>
1474	Poster Session 1	A46	Two-Stage Generative Model for Intracranial Aneurysm Meshes with Morphological Marker Conditioning

		(Wed-PM)	<i>Authors: Wenhao Ding, Kangjun Ji, Simão Castro, Yihao Luo, Dylan Roi, Choon Hwai Yap</i> <i>Presenter: Wenhao Ding, Imperial College London, United Kingdom</i>
1486	Poster Session 5	A70 (Fri-PM)	Self-Supervised Distillation of Legacy Rule-Based Methods for Enhanced EEG-Based Decision-Making <i>Authors: Yipeng Zhang, Yuanyi Ding, Chenda Duan, Atsuro Daida, Hiroki Nariai, Vwani Roychowdhury</i> <i>Presenter: Yipeng Zhang, University of California, Los Angeles, United States</i>
1487	Poster Session 3	A375 (Thu-PM)	Towards Multi-Scenario Generalization: Text-Guided Unified Framework for Low-Dose CT and Total-Body PET Reconstruction <i>Authors: Weitao Wang, Yanyan Huang, Shunjie Dong, Le Xue, Kuangyu Shi, Yu Fu</i> <i>Presenter: Weitao Wang, Lanzhou University, China</i>
1494	Poster Session 4	A84 (Fri-AM)	RadioFormer: Integrating Radiologist Inductive Bias for Tumor Classification on Multi-Sequence MR Images <i>Authors: Xiaoyu Bai, Yong Xia</i> <i>Presenter: Xiaoyu Bai, Northwestern Polytechnical University, China</i>
1498	Poster Session 4	C174 (Fri-AM)	CortexGen: A Geometric Generative Framework for Realistic Cortical Surface Generation Using Latent Flow Matching <i>Authors: Yuanzhuo Zhu, Kehan Li, Jianhua Ma, Chunfeng Lian, Fan Wang</i> <i>Presenter: Yuanzhuo Zhu, Xi'an Jiaotong University, China</i>
1500	Poster Session 4	C179 (Fri-AM)	Lifespan Cortical Surface Reconstruction from Thick-Slice Clinical MRI <i>Authors: Xiuyu Dong, Kaibo Tang, Dan Hu, Zhengwang Wu, Li Wang, Weili Lin, Gang Li</i> <i>Presenter: Xiuyu Dong, The University of North Carolina at Chapel Hill, United States</i>
1503	Poster Session 5	B5 (Fri-PM)	Cerebrovascular Diseases Screening from Color Fundus Photography via Cross-View Fusion and Graph-Based Discrimination <i>Authors: Congyu Tian, Shihao Zou, Xiangyun Liao, Cheng Chen, Chubin Ou, Jianping Lv, Shanshan Wang, Weixin Si</i> <i>Presenter: Shihao Zou, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China</i>
1508	Poster Session 4	C184 (Fri-AM)	DGM: Disentangled Generative Model for Detecting AD Individualized Pathological Changes via Pseudo-Healthy Synthesis <i>Authors: Zhuangzhuang Li, Kun Zhao, Dong Wang, Yong Liu</i> <i>Presenter: Zhuangzhuang Li, Beijing University of Posts and Telecommunications, China</i>
1510	Poster Session 1	A51 (Wed-PM)	EG-Net: An Edge-Guided Network for Rigid Registration of Laparoscopic Low-Overlap Point Clouds <i>Authors: Wenbin Wu, Yifan Gao, Yixiu Wang, Jiayi Zhang, Yiming Zhao, Xin Gao</i> <i>Presenter: Wenbin Wu, University of Science and Technology of China, China</i>
1518	Poster Session 4	C19 (Fri-AM)	RetiDiff: Diffusion-based Synthesis of Retinal OCT Images for Enhanced Segmentation <i>Authors: Sicheng Li, Mai Dan, Yuhui Chu, Jiahui Yu, Yunpeng Zhao, Pengpeng Zhao</i> <i>Presenter: Sicheng Li, Binjiang Institute of Zhejiang University, China</i>
1523	Poster Session 5	B95 (Fri-PM)	Heterogeneous Masked Attention-Guided Path Convolution for Functional Brain Network Analysis <i>Authors: Jiakun Xu, Xin Zhang, Tong Xiong, Shengxian Chen, Xiaofen Xing, Jindou Hao, Xiangmin Xu</i> <i>Presenter: Jiakun Xu, South China University of Technology, China</i>
1525	Poster Session 1	B96 (Wed-PM)	EdgeANet: A Transformer-based Edge Representation Learning Network for Canine X-ray Verification <i>Authors: In-Gyu Lee, Jun-Young Oh, Hyewon Choi, Tae-Eui Kam, Namsoon Lee, Sang-Hwan Hyun, Euijong Lee, Ji-Hoon Jeong</i> <i>Presenter: Jun-Young Oh, Chungbuk National University, Republic of Korea</i>
1526	Poster Session 2	C197	MoE-SAM: Enhancing SAM for Medical Image Segmentation with Mixture-of-Experts

		(Thu-AM)	<i>Authors: Ruocheng Li, Lei Wu, Jingjun Gu, Qi Xu, Wanyi Chen, Xiaoxu Cai, Jiajun Bu</i> <i>Presenter: Ruocheng Li, Zhejiang University, China</i>
1527	Poster Session 1	A131 (Wed-PM)	F2PASeg: Feature Fusion for Pituitary Anatomy Segmentation in Endoscopic Surgery <i>Authors: Lumin Chen, Zhiying Wu, Tianye Lei, Xuexue Bai, Ming Feng, Yuxi Wang, Gaofeng Meng, Zhen Lei, Hongbin Liu</i> <i>Presenter: Zhiying Wu, Hong Kong Institute of Science & Innovation, Chinese Academy of Sciences, Hong Kong SAR</i>
1536	Poster Session 2	A137 (Thu-AM)	Flip Distribution Alignment VAE for Multi-Phase MRI Synthesis <i>Authors: Xiaoyan Kui, Qianmu Xiao, Qinsong Li, Zexin Ji, Jieli Zhang, Beiji Zou</i> <i>Presenter: Qianmu Xiao, Central South University, China</i>
1540	Poster Session 3	B333 (Thu-PM)	DetectDiffuse: Aggregation- and Attention-driven Universal Lesion Detection with Multi-scale Diffusion Model <i>Authors: Xinyu Li, Danni Ai, Jingfan Fan, Tianyu Fu, Hong Song, Deqiang Xiao, Jian Yang</i> <i>Presenter: Xinyu Li, Beijing Institute of Technology, China</i>
1547	Poster Session 3	B153 (Thu-PM)	Prompt-DAS: Annotation-Efficient Prompt Learning for Domain Adaptive Semantic Segmentation of Electron Microscopy Images <i>Authors: Jiabao Chen, Shan Xiong, Jialin Peng</i> <i>Presenter: Jiabao Chen, Huaqiao University, China</i>
1550	Poster Session 4	C194 (Fri-AM)	Mask2Surface: Motion Correction and Super-Resolution for Cardiac Surface Reconstruction Using Latent Diffusion <i>Authors: Zichen Zhang, Zhentao Liu, Zeng Zhang, Zhiming Cui</i> <i>Presenter: Zichen Zhang, ShanghaiTech University, China</i>
1551	Poster Session 2	C202 (Thu-AM)	M3HL: Mutual Mask Mix with High-Low Level Feature Consistency for Semi-Supervised Medical Image Segmentation <i>Authors: Yajun Liu, Zenghui Zhang, Jiang Yue, Weiwei Guo, Dongying Li</i> <i>Presenter: Yajun Liu, Shanghai Jiao Tong University, China</i>
1554	Poster Session 1	B311 (Wed-PM)	RIFNet: Bridging Modalities for Accurate and Detailed Ocular Disease Analysis <i>Authors: Yuqing Li, Qingshan Hou, Peng Cao, Jianguo Ju, Tianqi Wang, Meng Wang, Ke Zou, Yih Chung Tham, Huazhu Fu, Osmar R. Zaiane</i> <i>Presenter: Osmar Zaiane, Northeastern University, China</i>
1562	Poster Session 5	B10 (Fri-PM)	BrainPrompt: Domain Adaptation with Prompt Learning for Multi-site Brain Network Analysis <i>Authors: Liuzeng Zhang, Lanting Li, Peng Cao, Jinzhu Yang, Osmar R. Zaiane</i> <i>Presenter: Osmar Zaiane, Northeastern University, China</i>
1566	Poster Session 1	C191 (Wed-PM)	OpenPath: Open-Set Active Learning for Pathology Image Classification via Pre-trained Vision-Language Models <i>Authors: Lanfeng Zhong, Xin Liao, Shichuan Zhang, Shaoting Zhang, Guotai Wang</i> <i>Presenter: Lanfeng Zhong, University of Electronic Science and Technology of China, China</i>
1569	Poster Session 1	B101 (Wed-PM)	Learning Concept-Driven Logical Rules for Interpretable and Generalizable Medical Image Classification <i>Authors: Yibo Gao, Hangqi Zhou, Zheyao Gao, Bomin Wang, Shangqi Gao, Sihan Wang, Xiahai Zhuang</i> <i>Presenter: Yibo Gao, Fudan University, China</i>
1570	Poster Session 3	A83 (Thu-PM)	Pathology Image Compression with Pre-trained Autoencoders <i>Authors: Srikar Yellapragada, Alexandros Graikos, Kostas Triaridis, Zilinghan Li, Tarak Nath Nandi, Ravi K Madduri, Prateek Prasanna, Joel Saltz, Dimitris Samaras</i> <i>Presenter: Srikar Yellapragada, Stony Brook University, United States</i>
1573	Poster Session 3	A203	Synthesis of Pathological Dual-Channel Color Doppler Echocardiograms for Equitable Diagnosis of Heart Diseases

		(Thu-PM)	<i>Authors: Pooneh Roshanitabrizi, Pengfei Guo, Artur Arturi Aharonyan, Kelsey Brown, Taylor Gloria Broudy, Abhijeet Parida, Austin Tapp, Zhifan Jiang, Alison Tompsett, Joselyn Rwebembera, Emmy Okello, Andrea Beaton, Holger R. Roth, Daguang Xu, Syed Muhammad Anwar, Craig A. Sable, Marius George Linguraru</i> <i>Presenter: Pooneh Roshanitabrizi, Children's National Hospital, United States</i>
1575	Poster Session 4	B249 (Fri-AM)	Endoscopic Artifact Inpainting for Improved Endoscopic Image Segmentation <i>Authors: Zhangyuan Yu, Chenlin Du, Hongrui Liang, Xiuqi Zheng, Zeyao Ma, Mingjun Wu, Mingwu Ao, Qicheng Lao</i> <i>Presenter: Qicheng Lao, Beijing University of Posts and Telecommunications, China</i>
1576	Poster Session 5	B105 (Fri-PM)	DHGFormer: Dynamic Hierarchical Graph Transformer for Disorder Brain Disease Diagnosis <i>Authors: Rundong Xue, Hao Hu, Zeyu Zhang, Xiangmin Han, Juan Wang, Yue Gao, Shaoyi Du</i> <i>Presenter: Rundong Xue, Xi'an Jiaotong University, China</i>
1585	Poster Session 4	B164 (Fri-AM)	Towards Globally Predictable k-Space Interpolation: A White-box Transformer Approach <i>Authors: Chen Luo, Qiyu Jin, Taofeng Xie, Xuemei Wang, Huayu Wang, Congcong Liu, Liming Tang, Guoqing Chen, Zhuo-Xu Cui, Dong Liang</i> <i>Presenter: Chen Luo, Inner Mongolia University, China</i>
1586	Poster Session 5	B110 (Fri-PM)	Multimodal Hypergraph Guide Learning for Non-Invasive ccRCC Survival Prediction <i>Authors: Jielong Yan, Xiangmin Han, Jieyi Zhao, Yue Gao</i> <i>Presenter: Jielong Yan, Tsinghua University, China</i>
1587	Poster Session 4	B84 (Fri-AM)	D4Recon: Dual-stage Deformation and Dual-scale Depth Guidance for Endoscopic Reconstruction <i>Authors: Hritam Basak, Zhaozheng Yin</i> <i>Presenter: Hritam Basak, Stony Brook University, United States</i>
1603	Poster Session 1	B106 (Wed-PM)	A Curvature-Guided Diffeomorphic Mesh Deformation Framework for Lifespan Brain Cortical Surface Reconstruction <i>Authors: Lin Teng, Shen Zhao, Feng Shi, Dinggang Shen</i> <i>Presenter: Lin Teng, ShanghaiTech University, China</i>
1607	Poster Session 2	C207 (Thu-AM)	Leveraging Semantic Asymmetry for Accurate Gross Tumor Volume Segmentation of Nasopharyngeal Carcinoma in Planning CT <i>Authors: Zi Li, Ying Chen, Zeli Chen, Yanzhou Su, Tai Ma, Tony C. W. Mok, Yan-Jie Zhou, Yunhao Bai, Zhilin Zheng, Le Lu, Yirui Wang, Jia Ge, Senxiang Yan, Xianghua Ye, Dakai Jin</i> <i>Presenter: Zeli Chen, DAMO Academy, Alibaba Group, China</i>
1616	Poster Session 3	B158 (Thu-PM)	DSFC: Deformation-Aware Learning Strategy via Self-sustaining Feedback Cycle for Medical Vision Foundation Model Domain Adaptation <i>Authors: Jie Lin, Hengyi Jiang, Hong Liu, Liansheng Wang</i> <i>Presenter: Jie Lin, Xiamen University, China</i>
1617	Poster Session 3	A208 (Thu-PM)	PD-UniST: Prompt-Driven Universal Model for Unpaired H&E-to-IHC Stain Translation <i>Authors: Chujie Zhang, Yangyang Xie, Yinhao Li, Xiao Liang, Lanfen Lin, Yen-Wei Chen</i> <i>Presenter: Chujie Zhang, Ritsumeikan University, China</i>
1619	Poster Session 1	C196 (Wed-PM)	ITAdaptor: Image-Tag Adapter Framework with Knowledge Enhancement for Radiology Report Generation <i>Authors: Shuaipeng Ding, Mengnan Fan, Mingyong Li, Chao Wang</i> <i>Presenter: Mengnan Fan, Chongqing Normal University, China</i>
1626	Poster Session 4	A19 (Fri-AM)	Temporal Model-Based Federated Active Medical Image Classification <i>Authors: Yunlu Yan, Chun-Mei Feng, Yuexiang Li, Jinheng Xie, Jun Chen, Mohamed Elhoseiny, Ming Hu, Kaishun Wu, Lei Zhu</i>

			<i>Presenter: Yunlu Yan, The Hong Kong University of Science and Technology (Guangzhou), China</i>
1633	Poster Session 2	B122 (Thu-AM)	Inferring Super-Resolved Gene Expression by Integrating Histology Images and Spatial Transcriptomics with HISTEX <i>Authors: Shuailin Xue, Changmiao Wang, Xiaomao Fan, Wenwen Min</i> <i>Presenter: Changmiao Wang, Yunnan University, China</i>
1634	Poster Session 3	A223 (Thu-PM)	Lymphoma Prognosis with Lesion-Anatomy Context Fusion and Attention-Based Multi-Lesion Aggregation <i>Authors: Song Zhang, Jiajin Zhang, Liheng Qiu, Wei Liu, Dakai Jin, Le Lu, Shenmiao Yang, Ke Yan</i> <i>Presenter: Ke Yan, DAMO Academy, Alibaba Group, China</i>
1637	Poster Session 5	C115 (Fri-PM)	UWT-Net: Mining low-frequency feature information for medical image segmentation <i>Authors: Pengcheng Zhang, Xiaocao Ouyang, Ran Peng</i> <i>Presenter: Pengcheng Zhang, Sichuan Agricultural University, China</i>
1638	Poster Session 5	B115 (Fri-PM)	Brain activation mapping based on Regional Synchronization of fMRI signals embedded in Graph Eigenmodes <i>Authors: Zhenyu Tang, Yu Zhao, Yang Yang, Xiaoyu Liu, Jingyong Su</i> <i>Presenter: Jingyong Su, Harbin Institute of Technology, China</i>
1641	Poster Session 1	C21 (Wed-PM)	Explain Any Pathological Concept: Discovering Hierarchical Explanations for Pathology Foundation Models <i>Authors: Shuting Xu, Junlin Hou, Hao Chen</i> <i>Presenter: Shuting Xu, Nankai University, China</i>
1643	Poster Session 4	A94 (Fri-AM)	Multi-task Screening for Cervical Diseases via Feature Routing and Asymmetric Distillation <i>Authors: Haotian Jiang, Haolin Huang, Jiangdong Cai, Mengjie Xu, Zhenrong Shen, Manman Fei, Xinyu Wang, Lichi Zhang, Qian Wang</i> <i>Presenter: Haotian Jiang, ShanghaiTech University, China</i>
1645	Poster Session 3	C158 (Thu-PM)	RANDose: A Region-aware Attention Network for Accurate Radiation Dose Prediction <i>Authors: G. Jignesh Chowdary, Tiezhi Zhang, Xin Qian, Zhaozheng Yin</i> <i>Presenter: G. Jignesh Chowdary, Stony Brook University, United States</i>
1647	Poster Session 4	A99 (Fri-AM)	FedWSIDD: Federated Whole Slide Image Classification via Dataset Distillation <i>Authors: Haolong Jin, Shenglin Liu, Cong Cong, Qingmin Feng, Yongzhi Liu, Lina Huang, Yingzi Hu</i> <i>Presenter: Haolong Jin, Huazhong University of Science and Technology, China</i>
1649	Poster Session 5	C120 (Fri-PM)	BCRNet: Enhancing Landmark Detection in Laparoscopic Liver Surgery via Bezier Curve Refinement <i>Authors: Qian Li, Feng Liu, Shuojue Yang, Daiyun Shen, Yueming Jin</i> <i>Presenter: Qian Li, National University of Singapore, Singapore</i>
1652	Poster Session 4	C199 (Fri-AM)	Hybrid State-Space Models and Denoising Training for Unpaired Medical Image Synthesis <i>Authors: Junming Zhang, Shancheng Jiang</i> <i>Presenter: Junming Zhang, Sun Yat-sen University, China</i>
1654	Poster Session 5	B120 (Fri-PM)	Dual-Stream Multi-Band Fusion Network for Dynamic Functional Connectivity Analysis in Brain Disorder Classification <i>Authors: Ling Wu, Hexi Li, Zhengyuan Lyu, Zhiwei Song, Hu Yu, Xiaojuan Guo</i> <i>Presenter: Ling Wu, Beijing Normal University, China</i>
1655	Poster Session 4	B89 (Fri-AM)	Endo-GSMT: Endoscopic Monocular Scene Reconstruction with Dynamic Gaussian Splatting and Motion Tracking <i>Authors: Hao Gou, Changmiao Wang, Jiahao Yang, Yaoqun Liu, Fucang Jia, Deqiang Xiao, Feiwei Qin, Huoling Luo</i>

			<i>Presenter: Hao Gou, Hangzhou Dianzi University, China</i>
1666	Poster Session 2	C212 (Thu-AM)	SlimFormer-3D: A Layer-Adaptive Lightweight Transformer for Efficient 3D Medical Image Segmentation <i>Authors: Yang Hong, Lei Zhang, Xujiong Ye, Jianqing Mo</i> <i>Presenter: Yang Hong, Guangdong University of Technology, China</i>
1669	Poster Session 3	C163 (Thu-PM)	PLUS: Plug-and-Play Enhanced Liver Lesion Diagnosis Model on Non-Contrast CT Scans <i>Authors: Jiacheng Hao, Xiaoming Zhang, Wei Liu, Xiaoli Yin, Yuan Gao, Chunli Li, Ling Zhang, Le Lu, Yu Shi, Xu Han, Ke Yan</i> <i>Presenter: Jiacheng Hao, Tsinghua University, China</i>
1672	Poster Session 2	A47 (Thu-AM)	Training-free Test-time Improvement for Explainable Medical Image Classification <i>Authors: Hangzhou He, Jiachen Tang, Lei Zhu, Kaiwen Li, Yanye Lu</i> <i>Presenter: Hangzhou He, Peking University, China</i>
1682	Poster Session 1	B111 (Wed-PM)	RadiomicsRetrieval: A Customizable Framework for Medical Image Retrieval Using Radiomics Features <i>Authors: Inye Na, Nejung Rue, Jiwon Chung, Hyunjin Park</i> <i>Presenter: Inye Na, Sungkyunkwan University, Republic of Korea</i>
1683	Poster Session 2	C217 (Thu-AM)	BenchReAD: A systematic benchmark for retinal anomaly detection <i>Authors: Chenyu Lian, Hong-Yu Zhou, Zhanli Hu, Jing Qin</i> <i>Presenter: Chenyu Lian, The Hong Kong Polytechnic University, China</i>
1687	Poster Session 4	B94 (Fri-AM)	CAT-SG: A Large Dynamic Scene Graph Dataset for Fine-Grained Understanding of Cataract Surgery <i>Authors: Felix Holm, Gözde Ünver, Ghazal Ghazaei, Nassir Navab</i> <i>Presenter: Felix Holm, Technical University of Munich, Germany</i>
1691	Poster Session 1	B116 (Wed-PM)	DGMIR: Dual-Guided Multimodal Medical Image Registration based on Multi-view Augmentation and On-site Modality Removal <i>Authors: Gao Le, Yucheng Shu, Lihong Qiao, Lijian Yang, Bin Xiao, Weisheng Li, Xinbo Gao</i> <i>Presenter: Gao Le, Chongqing University of Posts And Telecommunications, China</i>
1696	Poster Session 3	C168 (Thu-PM)	Asynchronous Multi-Modal Learning for Dynamic Risk Monitoring of Acute Respiratory Distress Syndrome in Intensive Care Units <i>Authors: Yidan Feng, Bohan Zhang, Sen Deng, Zhanli Hu, Jing Qin</i> <i>Presenter: Yidan Feng, The Hong Kong Polytechnic University, China</i>
1708	Poster Session 2	C222 (Thu-AM)	Improved Baselines with Synchronized Encoding for Universal Medical Image Segmentation <i>Authors: Sihan Yang, Jiadong Feng, Xuande Mi, Haixia Bi, Hai Zhang, Jian Sun</i> <i>Presenter: Sihan Yang, Xi'an Jiaotong University, China</i>
1713	Poster Session 1	C206 (Wed-PM)	Contrastive Knowledge-Guided Large Language Models for Medical Report Generation <i>Authors: Yuyang Sha, Hongxin Pan, Weiyu Meng, Kefeng Li</i> <i>Presenter: Yuyang Sha, Macao Polytechnic University, Macao SAR</i>
1717	Poster Session 5	C125 (Fri-PM)	Tetra-orientated Mamba with T2-FLAIR Mismatch Features for Glioma Segmentation, IDH Genotyping, and Grading <i>Authors: Xinyu Li, Jin Liu, Hulin Kuang, Yuanzhuo Wang, Jianxin Wang</i> <i>Presenter: Xinyu Li, Central South University, China</i>
1719	Poster Session 3	B163 (Thu-PM)	Domain Generalization for Pulmonary Nodule Detection via Distributionally-Regularized Mamba <i>Authors: Tianzhong Lan, Nan Chen, Zhang Yi, Xiuyuan Xu, Min Zhu</i> <i>Presenter: Tianzhong Lan, Sichuan University, China</i>
1721	Poster Session 5	A20	Synergy-Guided Regional Supervision of Pseudo Labels for Semi-Supervised Medical Image Segmentation

		(Fri-PM)	<i>Authors: Tao Wang, Xinlin Zhang, Yuanbin Chen, Yuanbo Zhou, Longxuan Zhao, Tao Tan, Tong Tong</i> <i>Presenter: Tao Wang, Fuzhou University, China</i>
1731	Poster Session 4	C204 (Fri-AM)	Mind the Detail: Uncovering Clinically Relevant Image Details in Accelerated MRI with Semantically Diverse Reconstructions <i>Authors: Jan Nikolas Morshuis, Christian Schlarmann, Thomas Küstner, Christian F. Baumgartner, Matthias Hein</i> <i>Presenter: Jan Nikolas Morshuis, University of Tübingen, Germany</i>
1732	Poster Session 5	B125 (Fri-PM)	T&F-DFC FusionNet: Time&Frequency-Dynamic Functional Connectivity Fusion Network for ADHD Diagnosis in Children based on fNIRS <i>Authors: Mengxiang Chu, Yunxiang Ma, Xiaowei He, Xiao Li, Jiaojiao Ren, Zhengyu Zhong, Jingjing Yu, Hongbo Guo</i> <i>Presenter: Mengxiang Chu, Northwest University, China</i>
1733	Poster Session 4	A344 (Fri-AM)	DisDiff: Disentanglement Diffusion Network for MR Imaging Translation <i>Authors: Yipin Zhang, Ziqi Yu, Xiang Zhang, Shengjie Zhang, Xiang Chen, Haibo Yang, Xiao-Yong Zhang</i> <i>Presenter: Yipin Zhang, Fudan University, China</i>
1739	Poster Session 2	C12 (Thu-AM)	SUGFW: A SAM-based Uncertainty-guided Feature Weighting Framework for Cold Start Active Learning <i>Authors: Xiaochuan Ma, Jia Fu, Lanfeng Zhong, Ning Zhu, Guotai Wang</i> <i>Presenter: Xiaochuan Ma, University of Electronic Science and Technology of China, China</i>
1746	Poster Session 2	B92 (Thu-AM)	MoMIL: Mixture of Multi-Instance Learners for Modeling Multiple Compound Activities in High Content Imaging <i>Authors: Pushpak Pati, Hsiu-Chi Cheng, Steffen Jaensch, Walid M. Abdelmoula, Krishna Chaitanya, Michiel Van Dyck, Tomé Albuquerque, Samantha Allen, Litao Zhang, Tommaso Mansi, Rui Liao, Zhoubing Xu</i> <i>Presenter: Pushpak Pati, Johnson & Johnson, Switzerland</i>
1747	Poster Session 2	C227 (Thu-AM)	New Multimodal Similarity Measure for Image Registration via Modeling Local Functional Dependence with Linear Combination of Learned Basis Functions <i>Authors: Joel Honkamaa, Pekka Marttinen</i> <i>Presenter: Joel Honkamaa, Aalto University, Finland</i>
1761	Poster Session 4	C214 (Fri-AM)	Implicit Deformable Medical Image Registration with Learnable Kernels <i>Authors: Stefano Fogarollo, Gregor Laimer, Reto Bale, Matthias Harders</i> <i>Presenter: Stefano Fogarollo, University of Innsbruck, Austria</i>
1763	Poster Session 4	B99 (Fri-AM)	Marker-less Head Pose Tracking for Image-guided Cerebral Artery Navigation <i>Authors: Qiuying Wang, Pandeng Zhang, Dewei Chen, Hao Tang, Chang Liu, Jia Liu</i> <i>Presenter: Qiuying Wang, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China</i>
1764	Poster Session 5	A150 (Fri-PM)	FedAMM: Federated Learning for Brain Tumor Segmentation with Arbitrary Missing Modalities <i>Authors: Yukun Shi, Meiting Xue, Yan Zeng, Jilin Zhang, Jian Wan, Ye Zhou</i> <i>Presenter: Yukun Shi, Hangzhou Dianzi University, China</i>
1768	Poster Session 1	A171 (Wed-PM)	Ophora: A Large-Scale Data-Driven Text-Guided Ophthalmic Surgical Video Generation Model <i>Authors: Wei Li, Ming Hu, Guoan Wang, Lihao Liu, Kaijing Zhou, Junzhi Ning, Xin Guo, Zongyuan Ge, Lixu Gu, Junjun He</i> <i>Presenter: Wei Li, Shanghai Jiao Tong University, China</i>
1772	Poster Session 2	C232 (Thu-AM)	Towards Robust Retinal Vessel Segmentation via Reducing Open-set Label Noises from SAM-generated Masks <i>Authors: Minqing Zhang, Mengxian He, Wu Yuan</i>

			<i>Presenter: Mingqing Zhang, The Chinese University of Hong Kong, China</i>
1773	Poster Session 1	B121 (Wed-PM)	XFMamba: Cross-Fusion Mamba for Multi-View Medical Image Classification <i>Authors: Xiaoyu Zheng, Xu Chen, Shaogang Gong, Xavier Griffin, Greg Slabaugh</i> <i>Presenter: Xiaoyu Zheng, Queen Mary University of London, United Kingdom</i>
1774	Poster Session 4	A373 (Fri-AM)	Coarse-to-Fine Medical Image Translation by Incorporating Deterministic Guidance and Probabilistic Refinement <i>Authors: Hongnian Tian, Tianxu Lv, Jiansong Fan, Delin Pan, Lihua Li, Xiang Pan</i> <i>Presenter: Hongnian Tian, Jiangnan University, China</i>
1776	Poster Session 4	B104 (Fri-AM)	Phase-Informed Tool Segmentation for Manual Small-Incision Cataract Surgery <i>Authors: Bhuvan Sachdeva, Naren Akash, Tajamul Ashraf, Simon Müller, Thomas Schultz, Maximilian W. M. Wintergerst, Niharika Singri, Kaushik Murali, Mohit Jain</i> <i>Presenter: Thomas Schultz, University of Bonn, Germany</i>
1787	Poster Session 3	B168 (Thu-PM)	MadCLIP: Few-shot Medical Anomaly Detection with CLIP <i>Authors: Mahshid Shiri, Cigdem Beyan, Vittorio Murino</i> <i>Presenter: Cigdem Beyan, University of Verona, Italy</i>
1789	Poster Session 3	B173 (Thu-PM)	Dual Knowledge-Aware Guidance for Source-Free Domain Adaptive Fundus Image Segmentation <i>Authors: Yu Chen, Hailing Wang, Chunwei Wu, Guitao Cao</i> <i>Presenter: Yu Chen, East China Normal University, China</i>
1790	Poster Session 5	C130 (Fri-PM)	EndoMetric: Near-Light Monocular Metric Scale Estimation in Endoscopy <i>Authors: Raúl Iranzo, Víctor M. Batlle, Juan D. Tardós, José M. M. Montiel</i> <i>Presenter: Raúl Iranzo, I3A. Universidad de Zaragoza, Spain</i>
1791	Poster Session 4	A104 (Fri-AM)	Decentralized Noise Handling in Medical Imaging: Encoder-Decoder Based Federated Imputation for Robust Training <i>Authors: Yunyoung Chang, Yeonwoo Noh, Sang-Woong Lee, Minwoo Lee, Wonjong Noh</i> <i>Presenter: Yunyoung Chang, Gachon University, Republic of Korea</i>
1793	Poster Session 2	C237 (Thu-AM)	Spline refinement with differentiable rendering <i>Authors: Frans Zdyb, Albert Alonso, Julius B. Kirkegaard</i> <i>Presenter: Frans Zdyb, University of Copenhagen, Denmark</i>
1798	Poster Session 2	A17 (Thu-AM)	Fusing Radiomic Features with Deep Representations for Gestational Age Estimation in Fetal Ultrasound Images <i>Authors: Fangyijie Wang, Yuan Liang, Sourav Bhattacharjee, Abey Campbell, Kathleen M. Curran, Guénolé Silvestre</i> <i>Presenter: Fangyijie Wang, University College Dublin, Ireland</i>
1799	Poster Session 4	C219 (Fri-AM)	BiMSRec: A Progressive Image Reconstruction Framework for Medical Image Fusion Guided by Multi-Scale Deformation Fields <i>Authors: Nuoer Long, Kaiwen Yang, Xinyu Xie, Zitong Yu, Tao Tan, Yue Sun</i> <i>Presenter: Kaiwen Yang, Macao Polytechnic University, Macao SAR</i>
1810	Poster Session 5	A80 (Fri-PM)	Temporal Modulated Multi-Scale Deformation Fusion via Knowledge Distillation for 4D Medical Image Interpolation <i>Authors: Jiaju Zhang, Danni Ai, Zhikun Gan, Tianyu Fu, Jingfan Fan, Hong Song, Deqiang Xiao, Jian Yang</i> <i>Presenter: Jiaju Zhang, Beijing Institute of Technology, China</i>
1812	Poster Session 4	C224 (Fri-AM)	MAK-GAN: Multi-level Adaptive Convolutional Kernels for Asymmetric Multi-modal PET Reconstruction <i>Authors: Xinyi Zeng, Pinxian Zeng, Yan Wang, Jiaqi Cui, Luping Zhou, Caiwen Jiang, Han Zhang, Dinggang Shen</i> <i>Presenter: Xinyi Zeng, Sichuan University, China</i>

1815	Poster Session 5	B245 (Fri-PM)	DEFUSE-MS: Deformation Field-Guided Spatiotemporal Graph-Based Framework for Multiple Sclerosis New Lesion Detection <i>Authors: Mostafa Salem, Salma Hassan, Vijay Ram Kumar Papineni, Ayman Elsayed, Mohammad Yaqub</i> <i>Presenter: Mostafa Salem, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
1823	Poster Session 5	B130 (Fri-PM)	Probabilistic Integration of Renal Cancer Radiology and Pathology Using Graph Neural Networks <i>Authors: Shangqi Gao, Shangde Gao, Ines Machado, Mireia Crispin-Ortuzar</i> <i>Presenter: Shangqi Gao, University of Cambridge, United Kingdom</i>
1824	Poster Session 5	B135 (Fri-PM)	Cross-Modal Graph Learning for Perivascular Spaces Segmentation <i>Authors: Tao Chen, Dan Zhang, Xi Long, Marcel Breeuwer, Sveta Zinger, Peiyu Huang, Jiong Zhang</i> <i>Presenter: Dan Zhang, Ningbo University of Technology, China</i>
1826	Poster Session 3	A213 (Thu-PM)	Parameter-Efficient 12-Lead ECG Reconstruction from a Single Lead <i>Authors: Junseok Lee, Yeonho Yoo, Jinkyu Kim, Dosun Lim, Gyeongsik Yang, Chuck Yoo</i> <i>Presenter: Junseok Lee, Korea University, Republic of Korea</i>
1831	Poster Session 5	C135 (Fri-PM)	Adaptively Distilled ControlNet: Accelerated Training and Superior Sampling for Medical Image Synthesis <i>Authors: Kunpeng Qiu, Zhiying Zhou, Yongxin Guo</i> <i>Presenter: Kunpeng Qiu, National University of Singapore, Singapore</i>
1833	Poster Session 2	C242 (Thu-AM)	GEPAR3D: Geometry Prior-Assisted Learning for 3D Tooth Segmentation <i>Authors: Tomasz Szczepański, Szymon Płotka, Michal K. Grzeszczyk, Arleta Adamowicz, Piotr Fudalej, Przemysław Korzeniowski, Tomasz Trzciński, Arkadiusz Sitek</i> <i>Presenter: Michal K. Grzeszczyk, Sano Centre for Computational Personalized Medicine, Poland</i>
1834	Poster Session 2	B97 (Thu-AM)	Weighted Stratification in Multi-Label Contrastive Learning for Long-Tailed Medical Image Classification <i>Authors: Ying-Chih Lin, Yong-Sheng Chen</i> <i>Presenter: Ying-Chih Lin, National Yang Ming Chiao Tung University, Taiwan</i>
1840	Poster Session 1	C211 (Wed-PM)	Confidence Calibration for Multimodal LLMs: An Empirical Study through Medical VQA <i>Authors: Yuetian Du, Yucheng Wang, Ming Kong, Tian Liang, Qiang Long, Bingdi Chen, Qiang Zhu</i> <i>Presenter: Yuetian Du, Zhejiang University, China</i>
1842	Poster Session 2	B102 (Thu-AM)	FIND-Net – Fourier-Integrated Network with Dictionary Kernels for Metal Artifact Reduction <i>Authors: Farid Tasharofi, Fuxin Fan, Melika Qahqaie, Mareike Thies, Andreas Maier</i> <i>Presenter: Farid Tasharofi, Friedrich-Alexander-Universität Erlangen, Germany</i>
1847	Poster Session 2	C247 (Thu-AM)	Autoregressive Medical Image Segmentation via Next-Scale Mask Prediction <i>Authors: Tao Chen, Chenhui Wang, Zhihao Chen, Hongming Shan</i> <i>Presenter: Tao Chen, Fudan University, China</i>
1849	Poster Session 4	C209 (Fri-AM)	Phenotype-Guided Generative Model for High-Fidelity Cardiac MRI Synthesis: Advancing Pretraining and Clinical Applications <i>Authors: Ziyu Li, Yujian Hu, Zhengyao Ding, Yiheng Mao, Haitao Li, Fan Yi, Hongkun Zhang, Zhengxing Huang</i> <i>Presenter: Ziyu Li, Zhejiang University, China</i>
1852	Poster Session 3	B18	Bio2Vol: Adapting 2D Biomedical Foundation Models for Volumetric Medical Image Segmentation

		(Thu-PM)	<i>Authors: Jiaxin Zhuang, Linshan Wu, Xuefeng Ni, Xi Wang, Liansheng Wang, Hao Chen</i> <i>Presenter: Jiaxin Zhuang, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
1853	Poster Session 2	A52 (Thu-AM)	GeneMorphFormer: Transformer-Driven Cross-Scale Mapping from Gene Expression to Cortical Morphology <i>Authors: Xiao Li, Han Zhang, Qitai Sun, Chenjie Jia, Xiaowei He, Yudan Ren</i> <i>Presenter: Xiao Li, Northwest University, China</i>
1855	Poster Session 3	B183 (Thu-PM)	CAUDA-MI: Cross Attention-Guided Unsupervised Domain Adaptation with Mutual Information for Cardiac MRI Segmentation <i>Authors: Dianrong Du, Hengfei Cui, Jiatong Li, Fan Zheng, Yong Xia</i> <i>Presenter: Dianrong Du, Northwestern Polytechnical University, China</i>
1865	Poster Session 2	C252 (Thu-AM)	UniSegDiff: Boosting Unified Lesion Segmentation via a Staged Diffusion Model <i>Authors: Yilong Hu, Shijie Chang, Lihe Zhang, Feng Tian, Weibing Sun, Huchuan Lu</i> <i>Presenter: Yilong Hu, Dalian University of Technology, China</i>
1868	Poster Session 4	B309 (Fri-AM)	GLCP: Global-to-Local Connectivity Preservation for Tubular Structure Segmentation <i>Authors: Feixiang Zhou, Zhuangzhi Gao, He Zhao, Jianyang Xie, Yanda Meng, Yitian Zhao, Gregory Y.H. Lip, Yalin Zheng</i> <i>Presenter: Feixiang Zhou, University of Liverpool, United Kingdom</i>
1870	Poster Session 1	C216 (Wed-PM)	Exploring Text-enhanced Mixture-of-Experts for Semi-supervised Medical Image Segmentation with Composite Data <i>Authors: Qingjie Zeng, Huan Luo, Xinke Ma, Zilin Lu, Yang Hu, Yong Xia</i> <i>Presenter: Qingjie Zeng, Northwestern Polytechnical University, China</i>
1872	Poster Session 4	C229 (Fri-AM)	Towards Interpretable Counterfactual Generation via Multimodal Autoregression <i>Authors: Chenglong Ma, Yuanfeng Ji, Jin Ye, Lu Zhang, Ying Chen, Tianbin Li, Mingjie Li, Junjun He, Hongming Shan</i> <i>Presenter: Chenglong Ma, Fudan University, China</i>
1878	Poster Session 3	C173 (Thu-PM)	VT-SNN: Variable Time-step Spiking Neural Network Based on Uncertainty Measure and Its Application in Brain Disease Diagnosis <i>Authors: Haonan Rao, Shaolong Wei, Shu Jiang, Mingliang Wang, Weiping Ding, Jiashuang Huang</i> <i>Presenter: Haonan Rao, Nantong University, China</i>
1879	Poster Session 5	C140 (Fri-PM)	SemiVT-Surge: Semi-Supervised Video Transformer for Surgical Phase Recognition <i>Authors: Yiping Li, Ronald de Jong, Sahar Nasirihaghighi, Tim Jaspers, Romy van Jaarsveld, Gino Kuiper, Richard van Hillegersberg, Fons van der Sommen, Jelle Ruurda, Marcel Breeuwer, Yasmina Al Khalil</i> <i>Presenter: Yiping Li, Eindhoven University of Technology, The Netherlands</i>
1881	Poster Session 1	A161 (Wed-PM)	CA-SAM2: SAM2-based Context-Aware Network with Auto-Prompting for Nuclei Instance Segmentation <i>Authors: Hanbin Huang, Hongliang He, Liying Xu, Xudong Zhu, Siwei Feng, Guohong Fu</i> <i>Presenter: Hanbin Huang, Soochow University, China</i>
1883	Poster Session 5	C145 (Fri-PM)	KMUNet: A novel medical image segmentation model based on KAN and Mamba <i>Authors: Hongsheng Zhang, Yuting Duan, Ting Liu, Weifeng Zhang, Hongzhong Tang</i> <i>Presenter: Hongzhong Tang, Xiangtan University, China</i>
1894	Poster Session 4	C234 (Fri-AM)	ResMAP: Restoring MRIs of Mixed Artifacts by Prompt Cascading Retrieval <i>Authors: Yuxian Tang, Feng Li, Feng Shi, Qian Wang</i> <i>Presenter: Yuxian Tang, ShanghaiTech University, China</i>

1896	Poster Session 1	B336 (Wed-PM)	MM-DINOV2: Adapting Foundation Models for Multi-Modal Medical Image Analysis <i>Authors: Daniel Scholz, Ayhan Can Erdur, Viktoria Ehm, Anke Meyer-Baese, Jan C. Peeken, Daniel Rueckert, Benedikt Wiestler</i> <i>Presenter: Daniel Scholz, Technical University of Munich, Germany</i>
1897	Poster Session 3	B188 (Thu-PM)	Contrastive Anatomy-Contrast Disentanglement: A Domain-General MRI Harmonization Method <i>Authors: Daniel Scholz, Ayhan Can Erdur, Robbie Holland, Viktoria Ehm, Jan C. Peeken, Benedikt Wiestler, Daniel Rueckert</i> <i>Presenter: Daniel Scholz, Technical University of Munich, Germany</i>
1900	Poster Session 2	C257 (Thu-AM)	Spatial-Temporal Memory Filtering SAM for Lesion Segmentation in Breast Ultrasound Videos <i>Authors: Zhengzheng Tu, Liang Zong, Bo Jiang, Haowen Wang, Kunpeng Wang, Chaoxue Zhang</i> <i>Presenter: Liang Zong, Anhui University, China</i>
1908	Poster Session 5	A275 (Fri-PM)	Facial Appearance Prediction with Conditional Multi-scale Autoregressive Modeling for Orthognathic Surgical Planning <i>Authors: Jungwook Lee, Xuanang Xu, Daeseung Kim, Tianshu Kuang, Hannah H. Deng, Xinrui Song, Yasmine Soubra, Rohan Dharia, Michael A.K. Liebschner, Jaime Gateno, Pingkun Yan</i> <i>Presenter: Jungwook Lee, Rensselaer Polytechnic Institute, United States</i>
1909	Poster Session 3	B193 (Thu-PM)	Clinical Prior-Guided Tumor Generation for Breast Ultrasound with Cross Domain Adaptation <i>Authors: Haoyu Pan, Junyang Mo, Hongxin Lin, Chu Zhang, Zijian Wu, Yi Wang, Qingqing Zheng</i> <i>Presenter: Haoyu Pan, Shenzhen University, China</i>
1910	Poster Session 2	C262 (Thu-AM)	Tumor Segmentation with Heterogeneity Clustering in Non-contrast Breast MRI <i>Authors: Xinyu Xie, Luyi Han, Yonghao Li, Yaoifei Duan, Yue Sun, Muzhen He, Tao Tan, Dinggang Shen</i> <i>Presenter: Xinyu Xie, Macao Polytechnic University, China</i>
1913	Poster Session 2	C267 (Thu-AM)	Hybrid Local-Window-Attention-Assisted U-Net Model for Multimodal Medical-Image Segmentation <i>Authors: Jiwon Kim, Seyong Jin, Yeonwoo Noh, Hyeonjoon Moon, Minwoo Lee, Wonjong Noh</i> <i>Presenter: Jiwon Kim, Sejong University, Republic of Korea</i>
1919	Poster Session 2	A57 (Thu-AM)	CoPA: Hierarchical Concept Prompting and Aggregating Network for Explainable Diagnosis <i>Authors: Yiheng Dong, Yi Lin, Xin Yang</i> <i>Presenter: Yiheng Dong, Huazhong University of Science and Technology, China</i>
1927	Poster Session 5	B140 (Fri-PM)	Ada-FCN: Adaptive Frequency-Coupled Network for fMRI-Based Brain Disorder Classification <i>Authors: Yue Xun, Jiaying Xu, Wenbo Gao, Chen Yang, Shujun Wang</i> <i>Presenter: Yue Xun, Hong Kong Polytechnic University, Hong Kong SAR</i>
1931	Poster Session 3	A103 (Thu-PM)	Risk Estimation of Knee Osteoarthritis Progression via Predictive Multi-task Modelling from Efficient Diffusion Model using X-ray Images <i>Authors: David Butler, Adrian Hilton, Gustavo Carneiro</i> <i>Presenter: David Butler, University of Surrey, United Kingdom</i>
1935	Poster Session 4	A9 (Fri-AM)	MeDi: Metadata-Guided Diffusion Models for Mitigating Biases in Tumor Classification <i>Authors: David Jacob Drexlin, Jonas Dippel, Julius Hense, Niklas Prenil, Grgoire Montavon, Frederick Klauschen, Klaus-Robert Mller</i> <i>Presenter: Jonas Dippel, TU Berlin, Germany</i>

1939	Poster Session 1	A156 (Wed-PM)	Fairness-Aware vCDR-Controlled Generation for Glaucoma Diagnosis <i>Authors: Ziheng Wang, Shuran Yang, Wen Chen, Zhen Zhang, Mengyu Wang, Feixiang Zhou, Yu Tian, Meng Wang, Yitian Zhao, Yalin Zheng, Yanda Meng</i> <i>Presenter: Ziheng Wang, University of Exeter, United Kingdom</i>
1947	Poster Session 4	C24 (Fri-AM)	Segmentor-guided Counterfactual Fine-Tuning for Locally Coherent and Targeted Image Synthesis <i>Authors: Tian Xia, Matthew Sinclair, Andreas Schuh, Fabio De Sousa Ribeiro, Raghav Mehta, Rajat Rasal, Esther Puyol-Antón, Samuel Gerber, Kersten Petersen, Michiel Schaap, Ben Glocker</i> <i>Presenter: Tian Xia, Imperial College London, United Kingdom</i>
1952	Poster Session 3	B198 (Thu-PM)	HARP: Harmonization and Adaptive Refinement of Pseudo-Labels for Cross-Domain Medical Image Segmentation <i>Authors: Yulong Liu, Wenqing Ye, Hui Liu, Ziyi Chen, Peilin Li, Ronald X. Xu, Mingzhai Sun</i> <i>Presenter: Yulong Liu, University of Science and Technology of China, China</i>
1958	Poster Session 1	B126 (Wed-PM)	Accurate and Efficient Fetal Birth Weight Estimation from 3D Ultrasound <i>Authors: Jian Wang, Qiongying Ni, Hongkui Yu, Ruixuan Yao, Jinqiao Ying, Bin Zhang, Xingyi Yang, Jin Peng, Jiongquan Chen, Junxuan Yu, Wenlong Shi, Chaoyu Chen, Zhongnuo Yan, Mingyuan Luo, Gaocheng Cai, Dong Ni, Jing Lu, Xin Yang</i> <i>Presenter: Qiongying Ni, Shenzhen University, China</i>
1959	Poster Session 1	C221 (Wed-PM)	Robust Sleep Stage Prediction from Electroencephalogram with Label Noise Using Multimodal Large Language Models <i>Authors: Xihe Qiu, Chen Zhan, Gengchen Ma, Jingjing Huang, Xiaoyu Tan</i> <i>Presenter: Chen Zhan, Shanghai University of Engineering Science, China</i>
1963	Poster Session 3	B203 (Thu-PM)	HASD: Hierarchical Adaption for Pathology Slide-Level Domain-Shift <i>Authors: Jingsong Liu, Han Li, Chen Yang, Michael Deutges, Ario Sadafi, Xin You, Katharina Breininger, Nassir Navab, Peter J. Schöffler</i> <i>Presenter: Jingsong Liu, Technical University of Munich, Germany</i>
1968	Poster Session 4	C244 (Fri-AM)	Controllable latent diffusion model to evaluate the performance of cardiac segmentation methods <i>Authors: Romain Deleat-besson, Celia Goujat, Olivier Bernard, Pierre Croisille, Magalie Viallon, Nicolas Duchateau</i> <i>Presenter: Romain Deleat-besson, Universite Claude Bernard Lyon 1, France</i>
1969	Poster Session 3	A218 (Thu-PM)	UltraRay: Introducing Full-Path Ray Tracing in Physics-Based Ultrasound Simulation <i>Authors: Felix Duelmer, Mohammad Farid Azampour, Magdalena Wysocki, Nassir Navab</i> <i>Presenter: Felix Duelmer, Technical University of Munich, Germany</i>
1975	Poster Session 1	C226 (Wed-PM)	Revisiting Automatic Data Curation for Vision Foundation Models in Digital Pathology <i>Authors: Boqi Chen, Cédric Vincent-Cuaz, Lydia A. Schoenpflug, Manuel Madeira, Lisa Fournier, Vaishnavi Subramanian, Sonali Andani, Samuel Ruiperez-Campillo, Julia E. Vogt, Raphaëlle Luisier, Dorina Thanou, Viktor H. Koelzer, Pascal Frossard, Gabriele Campanella, Gunnar Rätsch</i> <i>Presenter: Boqi Chen, ETH Zurich, Switzerland</i>
1980	Poster Session 5	A85 (Fri-PM)	A Unified Missing Modality Imputation Model with Inter-Modality Contrastive and Consistent Learning <i>Authors: Liangce Qi, Yusi Liu, Yuqin Li, Weili Shi, Guanyuan Feng, Zhengang Jiang</i> <i>Presenter: Liangce Qi, Changchun University of Science and Technology, China</i>
1982	Poster Session 5	A330 (Fri-PM)	R1Seg-3D: Rethinking Reasoning Segmentation for Medical 3D CTs <i>Authors: Qin Hao, Long Yu, Shengwei Tian, Xujiong Ye, Lei Zhang</i>

			<i>Presenter: Qin Hao, Xinjiang University, China</i>
1992	Poster Session 3	C183 (Thu-PM)	Multi-scale Attention-based Multiple Instance Learning for Breast Cancer Diagnosis <i>Authors: Mariana Mourão, Jacinto C. Nascimento, Carlos Santiago, Margarida Silveira</i> <i>Presenter: Mariana Mourão, Instituto Superior Técnico, Portugal</i>
2001	Poster Session 4	A114 (Fri-AM)	Conformal Risk Control for Semantic Uncertainty Quantification in Computed Tomography <i>Authors: Jacopo Teneggi, J. Webster Stayman, Jeremias Sulam</i> <i>Presenter: Jacopo Teneggi, Johns Hopkins University, United States</i>
2013	Poster Session 4	C249 (Fri-AM)	WASABI: A Metric for Evaluating Morphometric Plausibility of Synthetic Brain MRIs <i>Authors: Bahram Jafrasteh, Wei Peng, Cheng Wan, Yimin Luo, Ehsan Adeli, Qingyu Zhao</i> <i>Presenter: Qingyu Zhao, Weill Cornell Medicine, United States</i>
2021	Poster Session 1	A1 (Wed-PM)	Intelligent Virtual Sonographer (IVS): Enhancing Physician-Robot-Patient Communication <i>Authors: Tianyu Song, Feng Li, Yuan Bi, Angelos Karlas, Amir Yousefi, Daniela Branzan, Zhongliang Jiang, Ulrich Eck, Nassir Navab</i> <i>Presenters: Tianyu Song and Feng Li, Technical University of Munich, Germany</i>
2022	Poster Session 4	B114 (Fri-AM)	Weakly-Supervised 2D/3D Image Registration via Differentiable X-ray Rendering and ROI Segmentation <i>Authors: Yuxin Cui, Max Q.-H. Meng, Zhe Min</i> <i>Presenter: Zhe Min, Shandong University, China</i>
2024	Poster Session 3	C178 (Thu-PM)	ThyroidXL: Advancing Thyroid Nodule Diagnosis with an Expert-Labeled, Pathology-Validated Dataset <i>Authors: Hung Duong Viet, Huan Vu, Duong Phan Huong, Quyen Nguyen Duc, Hao Pham Duc, Toan Le Quang, Sy Nguyen Ba, Dung Do Tien, Sang Dinh Viet, Cuong Nguyen Tien, Hoang Pham Huy, Hy Ngo Dien</i> <i>Presenter: Cuong Nguyen, VNPT, Vietnam</i>
2038	Poster Session 3	C18 (Thu-PM)	Learning Contrastive Multimodal Fusion with Improved Modality Dropout for Disease Detection and Prediction <i>Authors: Yi Gu, Kuniaki Saito, Jiaxin Ma</i> <i>Presenter: Yi Gu, Nara Institute of Science and Technology, Japan</i>
2047	Poster Session 5	A280 (Fri-PM)	KidneyDepth: A Synthetic Kidney Dataset for Metric Depth Estimation in Ureteroscopy <i>Authors: Laura Oliva-Maza, Florian Steidle, Julian Klodmann, Klaus Strobl, Arkadiusz Miernik, Rudolph Triebel</i> <i>Presenter: Laura Oliva-Maza, German Aerospace Center (DLR), Germany</i>
2048	Poster Session 3	C188 (Thu-PM)	Multistage Alignment and Fusion for Multimodal Multiclass Alzheimer's Disease Diagnosis <i>Authors: Shuo Huang, Lujia Zhong, Yonggang Shi</i> <i>Presenter: Yonggang Shi, University of Southern California, United States</i>
2049	Poster Session 2	A62 (Thu-AM)	Interpretable fMRI Captioning via Contrastive Learning <i>Authors: Vyacheslav Shen, Kassymzhomart Kunanbayev, Donggon Jang, Daeshik Kim</i> <i>Presenter: Kassymzhomart Kunanbayev, Korea Advanced Institute of Science & Technology, Republic of Korea</i>
2054	Poster Session 3	B208 (Thu-PM)	Exemplar Med-DETR: Toward Generalized and Robust Lesion Detection in Mammogram Images and Beyond <i>Authors: Sheethal Bhat, Bogdan Georgescu, Adarsh Bhandary Panambur, Mathias Zinnen, Tri-Thien Nguyen, Awais Mansoor, Karim Khalifa Elbarbary, Siming Bayer, Florin-Cristian Ghesu, Sasa Grbic, Andreas Maier</i> <i>Presenter: Sheethal Bhat, Friedrich Alexander Universität, Germany</i>

2056	Poster Session 2	B107 (Thu-AM)	SAMed-2: Selective Memory Enhanced Medical Segment Anything Model <i>Authors: Zhiling Yan, Sifan Song, Dingjie Song, Yiwei Li, Rong Zhou, Weixiang Sun, Zhenhong Chen, Sekeun Kim, Hui Ren, Tianming Liu, Quanzheng Li, Xiang Li, Lifang He, Lichao Sun</i> <i>Presenter: Quanzheng Li, Massachusetts General Hospital and Harvard Medical School, United States</i>
2060	Poster Session 4	C254 (Fri-AM)	A Large-scale Neural Model Inversion Framework for Effective Connectivity Estimation <i>Authors: Guoshi Li, Pew-Thian Yap</i> <i>Presenter: Guoshi Li, University of North Carolina at Chapel Hill, United States</i>
2068	Poster Session 1	C231 (Wed-PM)	ViTAL-CT: Vision Transformers for High-Risk Plaque Classification in Coronary CTA <i>Authors: Anjie Le, Jin Zheng, Tan Gong, Quanlin Sun, Jonathan Weir-McCall, Declan P. O'Regan, Michelle C. Williams, David E. Newby, James H. F. Rudd, Yuan Huang</i> <i>Presenter: Jin Zheng, Imperial College London, United Kingdom</i>
2075	Poster Session 2	B112 (Thu-AM)	SIMPLE: Simultaneous Multi-plane Self-supervised Learning for Isotropic MRI Restoration from Anisotropic Data <i>Authors: Rotem Benisty, Yevgenia Shteynman, Moshe Porat, Anat Ilivitzki, Moti Freiman</i> <i>Presenter: Rotem Benisty, Technion - Israel Institute of Technology, Israel</i>
2076	Poster Session 3	A198 (Thu-PM)	Exploring the feasibility of zero-shot super-resolution in preclinical imaging <i>Authors: Omar A. M. Gharib, Samuel W. Remedios, Blake E. Dewey, Jerry L. Prince, Aaron Carass</i> <i>Presenter: Samuel Remedios, Johns Hopkins University, United States</i>
2085	Poster Session 2	A122 (Thu-AM)	ProgreSpine: Inherently Explainable Prototypical Regression for Spine Age Estimation <i>Authors: Roozbeh Bazargani, Saqib Basar, Sam Hashemi, Siavash Khallaghi</i> <i>Presenter: Sam Hashemi, Prenuvo Inc., Canada</i>
2086	Poster Session 5	B145 (Fri-PM)	Brain-Environment Cross-Attention (BECA) Meta-Matching: A New Perspective of Brain Connectome Zero-Shot Learning <i>Authors: Ziquan Wei, Tingting Dan, Guorong Wu</i> <i>Presenter: Ziquan Wei, University of North Carolina at Chapel Hill, United States</i>
2088	Poster Session 1	C236 (Wed-PM)	AdFair-CLIP: Adversarial Fair Contrastive Language-Image Pre-training for Chest X-rays <i>Authors: Chenlang Yi, Zizhan Xiong, Qi Qi, Xiyuan Wei, Girish Bathla, Ching-Long Lin, Bobak J. Mortazavi, Tianbao Yang</i> <i>Presenter: Tianbao Yang, Associate Professor, United States</i>
2090	Poster Session 5	A335 (Fri-PM)	Synthetic Ground Truth Counterfactuals for Comprehensive Evaluation of Causal Generative Models in Medical Imaging <i>Authors: Emma A. M. Stanley, Vibujithan Vigneshwaran, Erik Y. Ohara, Finn G. Vamosi, Nils D. Forkert, Matthias Wilms</i> <i>Presenter: Emma Stanley, University of Calgary, Canada</i>
2092	Poster Session 5	A90 (Fri-PM)	Last Layer Laplacian Pseudocoresets for Robust Medical Image Analysis <i>Authors: Franciskus Xaverius Erick, Johanna Paula Müller, Zhe Li, Bernhard Kainz</i> <i>Presenter: Franciskus Xaverius Erick, Friedrich-Alexander University Erlangen-Nürnberg, Germany</i>
2097	Poster Session 4	C264 (Fri-AM)	Generating Novel Brain Morphology by Deforming Learned Templates <i>Authors: Alan Q. Wang, Fangrui Huang, Bailey Trang, Wei Peng, Mohammad Abbasi, Kilian Pohl, Mert R. Sabuncu, Ehsan Adeli</i> <i>Presenter: Alan Wang, Stanford University, United States</i>

2099	Poster Session 3	B213 (Thu-PM)	Selective Alignment Transfer for Domain Adaptation in Skin Lesion Analysis <i>Authors: Nurjahan Sultana, Wenqi Lu, Xinqi Fan, Moi Hoon Yap</i> <i>Presenter: Nurjahan Sultana, Manchester Metropolitan University, United Kingdom</i>
2102	Poster Session 4	A119 (Fri-AM)	Enhancing AI-assisted Stroke Emergency Triage with Adaptive Uncertainty Estimation <i>Authors: Shuhua Yang, Tongan Cai, Haomiao Ni, Wenchao Ma, Yuan Xue, Kelvin Wong, John Volpi, James Z. Wang, Sharon X. Huang, Stephen T. C. Wong</i> <i>Presenter: Sharon Huang, The Pennsylvania State University, United States</i>
2108	Poster Session 3	C193 (Thu-PM)	Lesion-centered vision transformer for stroke outcome prediction from image and clinical data <i>Authors: Mingtian Liu, Nima Hatami, Laura Mechtouff, Tae-Hee Cho, Carole Lartizien, Carole Frindel</i> <i>Presenter: Mingtian Liu, CREATIS, France</i>
2110	Poster Session 4	C269 (Fri-AM)	D2Diff: A Dual-Domain Diffusion Model for Accurate Multi-Contrast MRI Synthesis <i>Authors: Sanuwani Dayarathna, Himashi Peiris, Kh Tohidul Islam, Tien-Tsin Wong, Zhaolin Chen</i> <i>Presenter: Sanuwani Dayarathna, Monash University, Australia</i>
2121	Poster Session 2	C272 (Thu-AM)	VesselSDF: Distance Field Priors for Vascular Network Reconstruction <i>Authors: Salvatore Esposito, Daniel Rebain, Arno Onken, Changjian Li, Oisin Mac Aodha</i> <i>Presenter: Salvatore Esposito, University of Edinburgh, United Kingdom</i>
2124	Poster Session 4	C274 (Fri-AM)	Boosting 3D Liver Shape Datasets with Diffusion Models and Implicit Neural Representations <i>Authors: Khoa Tuan Nguyen, Francesca Tozzi, Wouter Willaert, Joris Vankerschaver, Niki Rashidian, Wesley De Neve</i> <i>Presenter: Khoa Tuan Nguyen, Ghent University Global Campus; Ghent University, Republic of Korea</i>
2126	Poster Session 1	C241 (Wed-PM)	CLIP-DSA: Textual Knowledge-Guided Cerebrovascular Diseases Recognition in Multi-View Digital Subtraction Angiography <i>Authors: Qihang Xie, Dan Zhang, Mengting Liu, Jianwei Zhang, Ruisheng Su, Caifeng Shan, Jiong Zhang</i> <i>Presenter: Jiong Zhang, Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences, China</i>
2130	Poster Session 4	B174 (Fri-AM)	EndoMamba: An Efficient Foundation Model for Endoscopic Videos via Hierarchical Pre-training <i>Authors: Qingyao Tian, Huai Liao, Xinyan Huang, Bingyu Yang, Dongdong Lei, Sebastien Ourselin, Hongbin Liu</i> <i>Presenter: Qingyao Tian, Institute of Automation, Chinese Academy of Sciences, China</i>
2131	Poster Session 2	A67 (Thu-AM)	E-BayesSAM: Efficient Bayesian Adaptation of SAM with Self-Optimizing KAN-Based Interpretation for Uncertainty-Aware Ultrasonic Segmentation <i>Authors: Bin Huang, Zhong Liu, Huiying Wen, Bingsheng Huang, Xin Chen, Shuo Li</i> <i>Presenter: Bin Huang, Shenzhen University, China</i>
2132	Poster Session 5	C15 (Fri-PM)	Unsupervised Quality Control and Enhancement of Polyp Segmentation in Colonoscopy Videos using Spatiotemporal Consistency <i>Authors: Yujia Li, Tao Zhou, Ruixuan Wang, Shuo Wang, Yizhe Zhang</i> <i>Presenter: Yujia Li, Nanjing University of Science and Technology, China</i>
2138	Poster Session 1	A16 (Wed-PM)	Occlusion-free 4D Gaussians for Open Surgery Videos Using Multi-Camera Shadowless Lamps <i>Authors: Yuna Kato, Shohei Mori, Hideo Saito, Yoshifumi Takatsume, Hiroki Kajita, Mariko Isogawa</i> <i>Presenter: Mariko Isogawa, Keio University, Japan</i>

2143	Poster Session 5	A95 (Fri-PM)	Multimodal Imputation of Imaging-derived Phenotypes from Genomic and Blood-based Biomarkers Enhances Common Disease Discovery <i>Authors: Haoyang Zhang, Yan Li, Junhong Liu, Lizhen Lan, Zian Wang, Longyu Sun, Yuntong Lv, Shengxiao Yang, Qing Li, Mengting Sun, Yajing Zhang, Binghua Chen, Xionghui Zhou, Lianming Wu, Chengyan Wang</i> <i>Presenter: Haoyang Zhang, Fudan University, China</i>
2154	Poster Session 2	C277 (Thu-AM)	MSWAL: 3D Multi-class Segmentation of Whole Abdominal Lesions Dataset <i>Authors: Zhaodong Wu, Qiaochu Zhao, Ming Hu, Yulong Li, Haochen Xue, Zhengyong Jiang, Angelos Stefanidis, Qiufeng Wang, Imran Razzak, Zongyuan Ge, Junjun He, Yu Qiao, Zhong Zheng, Feilong Tang, Kang Dang, Jionglong Su</i> <i>Presenter: Zhaodong Wu, Xi'an Jiaotong-Liverpool University, China</i>
2156	Poster Session 1	C246 (Wed-PM)	FunBench: Benchmarking Fundus Reading Skills of MLLMs <i>Authors: Qijie Wei, Kaiheng Qian, Xirong Li</i> <i>Presenter: Qijie Wei, Renmin University of China, China</i>
2163	Poster Session 3	A123 (Thu-PM)	P2INR-FWI: an Implicit Neural Representation Method for Speed of Sound Image Reconstruction in Ultrasound Computed Tomography <i>Authors: Zesong Wang, Weicheng Yan, Zhaohui Liu, Ming Yuchi, Wu Qiu</i> <i>Presenter: Zesong Wang, Huazhong University of Science and Technology, China</i>
2164	Poster Session 1	C251 (Wed-PM)	TextBraTS: Text-Guided Volumetric Brain Tumor Segmentation with Innovative Dataset Development and Fusion Module Exploration <i>Authors: Xiaoyu Shi, Rahul Kumar Jain, Yinhao Li, Ruibo Hou, Jingliang Cheng, Jie Bai, Guohua Zhao, Lanfen Lin, Rui Xu, Yen-wei Chen</i> <i>Presenter: Xiaoyu Shi, Ritsumeikan University, Japan</i>
2167	Poster Session 2	C17 (Thu-AM)	From Generalist to Specialist: Distilling a Mixture of Foundation Models for Domain-specific Medical Image Segmentation <i>Authors: Qing Li, Yizhe Zhang, Shengxiao Yang, Qirong Li, Zian Wang, Junhong Liu, Haoyang Zhang, Shuo Wang, Chengyan Wang</i> <i>Presenter: Qing Li, Fudan University, China</i>
2169	Poster Session 3	B218 (Thu-PM)	Fusing Dual Encoders: Single-source Domain Generalization with Extremely Few Annotations <i>Authors: Ruofan Wang, Jintao Guo, Jian Zhang, Lei Qi, Yinghuan Shi</i> <i>Presenter: Jian Zhang, Nanjing University, China</i>
2171	Poster Session 1	A56 (Wed-PM)	Noise-Controllable Complex-Valued Diffusion Model for k-Space Data of Hyperpolarized ¹²⁹Xe Lung MRI Generation <i>Authors: Linxuan Han, Sa Xiao, Muhong Li, Jinghan Liu, Xin Zhou</i> <i>Presenter: Linxuan Han, Huazhong University of Science and Technology, China</i>
2180	Poster Session 2	C282 (Thu-AM)	Phenotype Representation and Analysis via Discriminative Atypicality (PRADA) to capture the structural heterogeneity of Autism Spectrum Disorder <i>Authors: Emre Onemli, Ahsan Mahmood, Omar Azrak, Dea Garic, Meghan R. Swanson, Rebecca Grzadzinski, Kattia Mata, Mark D. Shen, Jessica B. Girault, Tanya St. John, Juhi Pandey, Lonnie Zwaigenbaum, Annette M. Estes, Audrey M. Shen, Stephen R. Dager, Robert T. Schultz, Kelly N. Botteron, Alan C. Evans, Jed T. Elison, Essa Yacoub, Sun Hyung Kim, Robert C. McKinstry, Guido Gerig, Heather C. Hazlett, Natasha Marrus, Joseph Piven, John R. Pruett Jr., Martin Styner</i> <i>Presenter: Martin Styner, University of North Carolina, United States</i>
2187	Poster Session 4	C4 (Fri-AM)	Blaze3DM: Integrating Triplane Representation with Diffusion for Solving 3D Inverse Problems in Medical Imaging <i>Authors: Jia He, Bonan Li, Ge Yang, Ziwen Liu</i> <i>Presenter: Jia He, Institute of Automation, Chinese Academy of Sciences, China</i>
2205	Poster Session 5	B15	Multi-view Graph Contrastive Learning with Dynamic Self-aware and Cross-sample Topology Augmentation for Brain Disorder Diagnosis

		(Fri-PM)	<i>Authors: Hao Zhang, Xiaoyun Liu, Shuo Huang, Yonggui Yuan, Daoqiang Zhang, Li Zhang Presenter: Hao Zhang, Nanjing Forestry University, China</i>
2210	Poster Session 5	C155 (Fri-PM)	SR-SAM: Subspace Regularization for Domain Generalization of Segment Anything Model <i>Authors: Xixi Jiang, Chen Yang, Liang Zhang, Tim Kwang-Ting Cheng, Xin Yang Presenter: Xixi Jiang, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
2212	Poster Session 4	C279 (Fri-AM)	Boosting Medical Image Synthesis via Registration-guided Consistency and Disentanglement Learning <i>Authors: Chuanpu Li, Zeli Chen, Yiwen Zhang, Liming Zhong, Wei Yang Presenter: Chuanpu Li, Southern Medical University, China</i>
2213	Poster Session 4	C284 (Fri-AM)	Target Prior-enriched Implicit 3D CT Reconstruction with Adaptive Ray Sampling <i>Authors: Qinglei Cao, Ziyao Tang, Xiaoqin Tang Presenter: Xiaoqin Tang, Southwest University, China</i>
2215	Poster Session 1	B131 (Wed-PM)	HAGE: Hierarchical Alignment Gene-Enhanced Pathology Representation Learning with Spatial Transcriptomics <i>Authors: Thao M. Dang, Haiqing Li, Yuzhi Guo, Hehuan Ma, Feng Jiang, Yuwei Miao, Qifeng Zhou, Jean Gao, Junzhou Huang Presenter: Thao M. Dang, The University of Texas at Arlington, United States</i>
2218	Poster Session 3	A78 (Thu-PM)	Deep Association Multimodal Learning for Zero-shot Spatial Transcriptomics Prediction <i>Authors: Yijing Zhou, Yadong Lu, Qingli Li, Xinxing Li, Yan Wang Presenter: Yijing Zhou, East China Normal University, China</i>
2221	Poster Session 4	B119 (Fri-AM)	Operating Room Workflow Analysis via Reasoning Segmentation over Digital Twins <i>Authors: Yiqing Shen, Chenjia Li, Bohan Liu, Cheng-Yi Li, Tito Porras, Mathias Unberath Presenter: Mathias Unberath, Johns Hopkins University, United States</i>
2224	Poster Session 2	A7 (Thu-AM)	Explainable ADHD Diagnostic Framework Using Weakly-Supervised Action Recognition <i>Authors: Ninghan Fan, Ming Kong, Jing Huang, Bingdi Chen, Qiang Zhu Presenter: Ninghan Fan, Zhejiang University, China</i>
2233	Poster Session 3	C198 (Thu-PM)	Hard Sample Mining-based Tongue Diagnosis for Fatty Liver Disease Severity Classification <i>Authors: Tao Chen, Jie Gao, Yong Xu, Weihong Qiu, Yijie Wu, Weimin Ye, Kunhong Liu Presenter: Tao Chen, Zhejiang University, China</i>
2241	Poster Session 4	C29 (Fri-AM)	MDPG: Multi-domain Diffusion Prior Guidance for MRI Reconstruction <i>Authors: Lingtong Zhang, Mengdie Song, Xiaohan Hao, Huayu Mai, Bensheng Qiu Presenter: Lingtong Zhang, University of Science and Technology of China, China</i>
2248	Poster Session 1	C256 (Wed-PM)	CoCa-CXR: Contrastive Captioners Learn Strong Temporal Structures for Chest X-Ray Vision-Language Understanding <i>Authors: Yixiong Chen, Shawn Xu, Andrew Sellergren, Yossi Matias, Avinatan Hassidim, Shravya Shetty, Daniel Golden, Alan L. Yuille, Lin Yang Presenter: Yixiong Chen, Johns Hopkins University, United States</i>
2250	Poster Session 5	B155 (Fri-PM)	Explainable Integrative Bipartite Graph Convolutional Neural Network for Predicting Ejection Fraction in Echocardiography <i>Authors: Seungeun Lee, Jaeyoung Kim, Kyungtae Kang, Mingon Kang Presenter: Seungeun Lee, Hanyang University, Republic of Korea</i>
2254	Poster Session 1	C26 (Wed-PM)	Knowledge Tree Driven Contextualized Instruction Tuning of Foundation Models for Epilepsy Drug Recommendation <i>Authors: Duy Khoa Pham, Deval Mehta, Yiwen Jiang, Daniel Thom, Richard Shek-kwan Chang, Mohammad Nazem-Zadeh, Emma Foster, Timothy Fazio, Sarah Holper, Karin</i>

			<i>Verspoor, Jiahe Liu, Duong Nhu, Sarah Barnard, Terence O'Brien, Zhibin Chen, Jacqueline French, Patrick Kwan, Zongyuan Ge</i> <i>Presenter: Duy Khoa Pham, Monash University, Australia</i>
2258	Poster Session 1	A121 (Wed-PM)	3D Dynamic Prediction of Missing Teeth in Diverse Patterns via Centroid-prompted Diffusion Model <i>Authors: Zongrui Ji, Na Li, Peng Xue, Yi Dong, Lei Ma</i> <i>Presenter: Lei Ma, Tongji University, China</i>
2259	Poster Session 2	B117 (Thu-AM)	Meta-Learning-Driven CT Morphology Disentangled Diffusion Model for Multi-Region SPECT Attenuation Correction <i>Authors: Haoran Yang, Jiansong Fan, Lihua Li, Xiang Pan</i> <i>Presenter: Haoran Yang, Jiangnan University, China</i>
2260	Poster Session 5	B160 (Fri-PM)	BrainPrompt: Multi-Level Brain Prompt Enhancement for Neurological Condition Identification <i>Authors: Jiaxing Xu, Kai He, Yue Tang, Wei Li, Mengcheng Lan, Xia Dong, Yiping Ke, Mengling Feng</i> <i>Presenter: Kai He, National University of Singapore, Singapore</i>
2261	Poster Session 1	C266 (Wed-PM)	Exploring the Design Space of 3D MLLMs for CT Report Generation <i>Authors: Mohammed Baharoon, Jun Ma, Congyu Fang, Augustin Toma, Bo Wang</i> <i>Presenter: Mohammed Baharoon, Harvard University, United States</i>
2263	Poster Session 3	B223 (Thu-PM)	TEGDA: Test-time Evaluation-Guided Dynamic Adaptation for Medical Image Segmentation <i>Authors: Yubo Zhou, Jianghao Wu, Wenjun Liao, Shichuan Zhang, Shaoting Zhang, Guotai Wang</i> <i>Presenter: Yubo Zhou, University of Electronic Science and Technology of China, China</i>
2265	Poster Session 4	A124 (Fri-AM)	PRADA: Protecting and Detecting Dataset Abuse for Open-source Medical Dataset <i>Authors: Jinhyeok Jang, Hong Joo Lee, Nassir Navab, Seong Tae Kim</i> <i>Presenter: Hong Joo Lee, Technical University of Munich, Germany</i>
2266	Poster Session 4	C294 (Fri-AM)	Anatomy-Aware Low-Dose CT Denoising via Pretrained Vision Models and Semantic-Guided Contrastive Learning <i>Authors: Runze Wang, Zeli Chen, Zhiyun Song, Wei Fang, Jiajin Zhang, Danyang Tu, Yuxing Tang, Minfeng Xu, Xianghua Ye, Le Lu, Dakai Jin</i> <i>Presenter: Runze Wang, DAMO Academy, Alibaba Group, China</i>
2267	Poster Session 1	B136 (Wed-PM)	TemSAM: Temporal-aware Segment Anything Model for Cerebrovascular Segmentation in Digital Subtraction Angiography Sequences <i>Authors: Liang Zhang, Xixi Jiang, Xiaohuan Ding, Zihang Huang, Tianyu Zhao, Xin Yang</i> <i>Presenter: Liang Zhang, Huazhong University of science and technology, China</i>
2270	Poster Session 3	A228 (Thu-PM)	Pathology-Informed Latent Diffusion Model for Anomaly Detection in Lymph Node Metastasis <i>Authors: Jiamu Wang, Keunho Byeon, Jinsol Song, Anh Nguyen, Sangjeong Ahn, Sung Hak Lee, Jin Tae Kwak</i> <i>Presenter: Jiamu Wang, Korea University, Republic of Korea</i>
2271	Poster Session 2	C287 (Thu-AM)	StyleGAN-based Brain MRI Anomaly Detection via Latent Code Retrieval and Partial Swap <i>Authors: Jie Wei, Xiaofei Hu, Shaoting Zhang, Guotai Wang</i> <i>Presenter: Guotai Wang, University of Electronic Science and Technology of China, China</i>
2272	Poster Session 2	C292 (Thu-AM)	MultiTransAD: Cross-Sequence Translation-Driven Anomaly Detection in Multi-Sequence Brain MRI <i>Authors: Qi Zhang, Yibo Hu, Jianqi Sun</i> <i>Presenter: Qi Zhang, Shanghai Jiaotong University, China</i>
2280	Poster Session 2	B322	VB CD: A Voxel-Based Framework for Personalized Dental Crown Design

		(Thu-AM)	<i>Authors: Linda Wei, Chang Liu, Wenran Zhang, Zengji Zhang, Shaoting Zhang, Hongsheng Li</i> <i>Presenter: Linda Wei, The Chinese University of Hong Kong, Hong Kong, SAR</i>
2287	Poster Session 5	C160 (Fri-PM)	Dual-Branch Dynamic Coupling Weakly Supervised Learning for Class-Incremental Histopathological Region Segmentation <i>Authors: Xiaoyan Hong, Jiansong Fan, Zhaohong Deng, Xiang Pan</i> <i>Presenter: Xiaoyan Hong, Jiangnan University, China</i>
2291	Poster Session 5	C165 (Fri-PM)	CD-PolypNet: Cross-Domain Polyp Segmentation Network with Internal Feature Distillation and Dual-Stream Boundary Focus via Large Vision Model <i>Authors: Changpeng Yue, Jianxiang Zhao, Chao Wang, Xinglun Zhao, Axiu Mao, Jia Hou, Chenggang Yan, Kai Zhao, Shuai Wang</i> <i>Presenter: Changpeng Yue, Hangzhou Dianzi University, China</i>
2293	Poster Session 1	A61 (Wed-PM)	Reconstructing 3D Hand-Instrument Interaction from a Single 2D Image in Medical Scenes <i>Authors: Miao Xu, Xiangyu Zhu, Jinlin Wu, Ming Feng, Zelin Zang, Hongbin Liu, Zhen Lei</i> <i>Presenter: Miao Xu, Hong Kong Institute of Science, China</i>
2294	Poster Session 1	A356 (Wed-PM)	Meta-analysis guided multi-task graph transformer network for diagnosis of neurological disease and cognitive deficits <i>Authors: Jing Xia, Yi Hao Chan, Jagath C. Rajapakse</i> <i>Presenter: Jing Xia, Nanyang Technological University, Singapore</i>
2296	Poster Session 5	A100 (Fri-PM)	UM-SAM: Unsupervised Medical Image Segmentation using Knowledge Distillation from Segment Anything Model <i>Authors: Jia Fu, He Li, Tao Lu, Shaoting Zhang, Guotai Wang</i> <i>Presenter: Jia Fu, University of Electronic Science and Technology of China, China</i>
2299	Poster Session 4	B49 (Fri-AM)	RadGS-Reg: Registering Spine CT with Biplanar X-rays via Joint 3D Radiative Gaussians Reconstruction and 3D/3D Registration <i>Authors: Ao Shen, Xueming Fu, Junfeng Jiang, Qiang Zeng, Ye Tang, Zhengming Chen, Luming Nong, Feng Wang, S. Kevin Zhou</i> <i>Presenter: Ao Shen, Hohai University, China</i>
2303	Poster Session 4	C299 (Fri-AM)	Dyna3DGR: 4D Cardiac Motion Tracking with Dynamic 3D Gaussian Representation <i>Authors: Xueming Fu, Pei Wu, Yingtai Li, Xin Luo, Zihang Jiang, Junhao Mei, Jian Lu, Gao-Jun Teng, S. Kevin Zhou</i> <i>Presenter: Xueming Fu, University of Science and Technology of China, China</i>
2308	Poster Session 2	B327 (Thu-AM)	A Uniform Multi-mode Fused Framework for Velocity Field Estimation in Ultrasound Imaging <i>Authors: Hailong Li, Liansheng Wang, Yinran Chen</i> <i>Presenter: Hailong Li, Xiamen University, China</i>
2309	Poster Session 1	C271 (Wed-PM)	LTSE: Language-guided Tissue Referring Segmentation in Pathology Images with Adaptive Expert Mixture <i>Authors: Jiao Tang, Bo Qian, Peng Wan, Wei Shao, Daoqiang Zhang</i> <i>Presenter: Jiao Tang, Nanjing University of Aeronautics and Astronautics, China</i>
2315	Poster Session 2	C297 (Thu-AM)	CSAL-3D: Cold-start Active Learning for 3D Medical Image Segmentation via SSL-driven Uncertainty-Reinforced Diversity Sampling <i>Authors: Ning Zhu, Ping Ye, Lanfeng Zhong, Qiang Yue, Shaoting Zhang, Guotai Wang</i> <i>Presenter: Ning Zhu, University of Electronic Science and Technology of China, China</i>
2317	Poster Session 4	C304 (Fri-AM)	Lesion-Aware Post-Training of Latent Diffusion Models for Synthesizing Diffusion MRI from CT Perfusion <i>Authors: Junhyeok Lee, Hyunwoong Kim, Hyungjin Chung, Heeseong Eom, Joon Jang, Chul-Ho Sohn, Kyu Sung Choi</i> <i>Presenter: Junhyeok Lee, Seoul National University, Republic of Korea</i>
2322	Poster Session 1	B141	C²MAOT: Cross-modal Complementary Masked Autoencoder with Optimal Transport for Cancer Segmentation in PET-CT Images

		(Wed-PM)	<i>Authors: Jiaju Huang, Shaobin Chen, Xinglong Liang, Xiao Yang, Zhuoneng Zhang, Yue Sun, Ying Wang, Tao Tan</i> <i>Presenter: Jiaju Huang, Macao Polytechnic University, China</i>
2324	Poster Session 1	C276 (Wed-PM)	DGHFA: Dynamic Gradient and Hierarchical Feature Alignment for Robust Distillation of Medical VLMs <i>Authors: Boyi Xiao, Jianghao Wu, Lanfeng Zhong, Xiaoguang Zou, Yuanquan Wu, Guotai Wang, Shaoting Zhang</i> <i>Presenter: Boyi Xiao, University of Science and Technology of China and Shanghai Artificial Intelligence Laboratory, China</i>
2327	Poster Session 3	A233 (Thu-PM)	IMREPET: Implicit Neural Representation for Unsupervised Dynamic PET Reconstruction <i>Authors: Kailong Fan, Yubo Ye, Huafeng Liu, Linwei Wang</i> <i>Presenter: Kailong Fan, Zhejiang University, China</i>
2328	Poster Session 2	B172 (Thu-AM)	Advancing Medical Representation Learning Through High-Quality Data <i>Authors: Negin Baghbanzadeh, Adibvafa Fallahpour, Yasaman Parhizkar, Franklin Ogidi, Shuvendu Roy, Sajad Ashkezari, Vahid Reza Khazaie, Michael Colacci, Ali Etemad, Arash Afkanpour, Elham Dolatabadi</i> <i>Presenter: Negin Baghbanzadeh, York University, Canada</i>
2332	Poster Session 2	B12 (Thu-AM)	HyperSORT: Self-Organising Robust Training with hyper-networks <i>Authors: Samuel Joutard, Marijn Stollenga, Marc Balle Sanchez, Mohammad Farid Azampour, Raphael Prevost</i> <i>Presenter: Samuel Joutard, ImFusion GmbH, Germany</i>
2333	Poster Session 4	B124 (Fri-AM)	Self-adaptive Vision-Language Model for 3D Segmentation of Pulmonary Artery and Vein <i>Authors: Xiaotong Guo, Deqian Yang, Dan Wang, Ying Zhu, Haochen Zhao, Yuan Li, Zhilin Sui, Tao Zhou, Lijun Zhang, Hui Meng, Yanda Meng</i> <i>Presenter: Yanda Meng, University of Exeter, United Kingdom</i>
2349	Poster Session 1	A291 (Wed-PM)	PMIL: Prompt enhanced Multimodal Integrative analysis of fMRI combining functional connectivity and temporal Latency <i>Authors: Hyounghsin Choi, Jonghun Kim, Jiwon Chung, Bo-yong Park, Hyunjin Park</i> <i>Presenter: Hyounghsin Choi, Sungkyunkwan University, Republic of Korea</i>
2353	Poster Session 3	C203 (Thu-PM)	Leveraging Visual Prompt with Diffusion Adversarial Network for Radiotherapy Dose Prediction <i>Authors: Zhenghao Feng, Lu Wen, Jiaqi Cui, Xi Wu, Jianghong Xiao, Xingchen Peng, Dinggang Shen, Yan Wang</i> <i>Presenter: Yan Wang, Sichuan University, China</i>
2355	Poster Session 3	A133 (Thu-PM)	SABPI-Net: A Novel Structure-Aware Network for Accurate and Domain-Invariant Retinopathy of Prematurity Diagnosis <i>Authors: Shaobin Chen, Xinyu Zhao, Huazhu Fu, Tao Tan, Jiaju Huang, Xiangyu Xiong, Zhenquan Wu, Behdad Dashtbozorg, Baiying Lei, Guoming Zhang, Yue Sun</i> <i>Presenter: Jiaju Huang, Macao Polytechnic University, China</i>
2356	Poster Session 5	B290 (Fri-PM)	Bipartite Patient-Modality Graph Learning with Event-Conditional Modelling of Censoring for Cancer Survival Prediction <i>Authors: Hailin Yue, Hulin Kuang, Jin Liu, Junjian Li, Lanlan Wang, Mengshen He, Jianxin Wang</i> <i>Presenter: Hailin Yue, Central South University, China</i>
2362	Poster Session 1	B146 (Wed-PM)	Omni-Fusion of Spatial and Spectral for Hyperspectral Image Segmentation <i>Authors: Qing Zhang, Guoquan Pei, Yan Wang</i> <i>Presenter: Qing Zhang, East China Normal University, China</i>

2364	Poster Session 1	C101 (Wed-PM)	Historical Report Guided Bi-modal Concurrent Learning for Pathology Report Generation <i>Authors: Ling Zhang, Boxiang Yun, Qingli Li, Yan Wang</i> <i>Presenter: Ling Zhang, East China Normal University, China</i>
2372	Poster Session 5	B165 (Fri-PM)	Integrating meta-analysis in multi-modal brain studies with graph-based attention transformer <i>Authors: Hyoungshin Choi, Sunghun Kim, Jong-eun Lee, Bo-yong Park, Hyunjin Park</i> <i>Presenter: Hyoungshin Choi, Sungkyunkwan University, Republic of Korea</i>
2374	Poster Session 4	C239 (Fri-AM)	Speech Audio Generation from Dynamic MRI via a Knowledge Enhanced Conditional Variational Autoencoder <i>Authors: Yaxuan Li, Han Jiang, Yifei Ma, Shihua Qin, Jonghye Woo, Fangxu Xing</i> <i>Presenter: Yaxuan Li, The University of Hong Kong, Hong Kong SAR</i>
2376	Poster Session 4	C309 (Fri-AM)	RDMR: Recursive Inference and Representation Disentanglement for Multimodal Large Deformation Registration <i>Authors: Yibo Hu, Ziqi Zhao, Qi Zhang, Lisa X. Xu, Jianqi Sun</i> <i>Presenter: Yibo Hu, Shanghai JiaoTong University, China</i>
2378	Poster Session 3	C208 (Thu-PM)	RadKAM: Attention-Driven Kolmogorov-Arnold Model for Automatic Radiation-Induced Lymphopenia Prediction by Multimodal Learning <i>Authors: Rongchang Zhao, Zhangyue Wu, Jian Zhang, Zijian Zhang, Shuo Li</i> <i>Presenter: Rongchang Zhao, Central South University, China</i>
2379	Poster Session 5	C170 (Fri-PM)	Accurate Boundary Alignment and Realism Enhancement for Colonoscopic Polyp Image-Mask Pair Generation <i>Authors: Riyu Qiu, Kun Xia, Feng Gao, Shuting Yang, Du Cai, Jiacheng Wang, Yinran Chen, Liansheng Wang</i> <i>Presenter: Riyu Qiu, Xiamen University, China</i>
2383	Poster Session 5	C175 (Fri-PM)	Think as Cardiac Sonographers: Marrying SAM with Left Ventricular Indicators Measurements According to Clinical Guidelines <i>Authors: Tuo Liu, Qinghan Yang, Yu Zhang, Rongjun Ge, Yang Chen, Guangquan Zhou</i> <i>Presenter: Tuo Liu, Southeast University, China</i>
2387	Poster Session 2	B127 (Thu-AM)	A Frequency-Aware Self-Supervised Learning for Ultra-Wide-Field Image Enhancement <i>Authors: Weicheng Liao, Zan Chen, Jianyang Xie, Yalin Zheng, Yuhui Ma, Yitian Zhao</i> <i>Presenter: Weicheng Liao, Ningbo Institute of Materials Technology & Engineering, Chinese Academy of Sciences, China</i>
2388	Poster Session 2	C302 (Thu-AM)	Medical-Knowledge Driven Multiple Instance Learning for Classifying Severe Abdominal Anomalies on Prenatal Ultrasound <i>Authors: Huanwen Liang, Jingxian Xu, Yuanji Zhang, Yuhao Huang, Yuhan Zhang, Xin Yang, Ran Li, Xuedong Deng, Yanjun Liu, Guowei Tao, Yun Wu, Sheng Zhao, Xinru Gao, Dong Ni</i> <i>Presenter: Huanwen Liang, Shenzhen University, China</i>
2399	Poster Session 5	C180 (Fri-PM)	Prolog-Driven Rule-Based Diagnostics with Large Language Models for Precise Clinical Decision Support <i>Authors: Xiaoyu Tan, Bin Li, Weidi Xu, Chao Qu, Wei Chu, Yinghui Xu, Yuan Qi, Xihe Qiu</i> <i>Presenter: Bin Li, Shanghai University of Engineering Science, China</i>
2403	Poster Session 5	B170 (Fri-PM)	MoST-IG: Morphology-Guided Spatial Transcriptomics Integration via Visual-Genomic Graph Optimal Transport <i>Authors: Liting Yu, Tao Ma, Weiqin Zhao, Zhuo Liang, Lequan Yu</i> <i>Presenter: Liting Yu, The University of Hong Kong, China</i>
2405	Poster Session 2	B252 (Thu-AM)	CardioInterp: Generative Modeling for Cardiovascular OCT Interpolation with Anatomical Continuity and Fidelity <i>Authors: Linyuan Li, Bing Yang, Mingqing Zhang, Mengxian He, Wu Yuan</i> <i>Presenter: Linyuan Li, The Chinese University of Hong Kong, China</i>
2409	Poster Session 3	C213	UniCross: Balanced Multimodal Learning for Alzheimer's Disease Diagnosis by Uni-modal Separation and Metadata-guided Cross-modal Interaction

		(Thu-PM)	<i>Authors: Lisong Yin, Chuyang Ye, Tiantian Liu, Jinglong Wu, Tianyi Yan</i> <i>Presenter: Lisong Yin, Beijing Institute of Technology, China</i>
2411	Poster Session 2	C307 (Thu-AM)	AffinityUMamba: Uncertainty-Aware Medical Image Segmentation via Probabilistic Weak Supervision Beyond Gold-Standard Annotations <i>Authors: Yukun Zhang, Guisheng Wang, William Henry Nailon, Kun Cheng</i> <i>Presenter: Yukun Zhang, Beijing University of Posts and Telecommunications, China</i>
2415	Poster Session 1	C281 (Wed-PM)	Geometry-Guided Local Alignment for Multi-View Visual Language Pre-Training in Mammography <i>Authors: Yuexi Du, Lihui Chen, Nicha C. Dvornek</i> <i>Presenter: Yuexi Du, Yale University, United States</i>
2417	Poster Session 5	C185 (Fri-PM)	Clinical Validation of Deep Learning for Real-Time Tissue Oxygenation Estimation Using Spectral Imaging <i>Authors: Jens De Winne, Siri Willems, Siri Luthman, Danilo Babin, Hiep Luong, Wim Ceelen</i> <i>Presenter: Jens De Winne, Ghent University, Belgium</i>
2424	Poster Session 1	B151 (Wed-PM)	TMSE: Tri-Modal Survival Estimation with Context-aware Tissue Prototype and Attention-Entropy Interaction <i>Authors: Ruofan Zhang, Mengjie Fang, Shengyuan Liu, Zipei Wang, Jie Tian, Di Dong</i> <i>Presenter: Ruofan Zhang, CAS Key Laboratory of Molecular Imaging, Institute of Automation, Chinese Academy of Sciences, China</i>
2425	Poster Session 2	C312 (Thu-AM)	Anomaly Detection by Clustering DINO Embeddings using a Dirichlet Process Mixture <i>Authors: Nico Schulthess, Ender Konukoglu</i> <i>Presenter: Nico Schulthess, ETH Zürich, Switzerland</i>
2432	Poster Session 2	B132 (Thu-AM)	DiffStain: Conditioned Diffusion-Based Semantic Virtual Staining with Mask Guidance <i>Authors: Yikai Han, Jimao Jiang, Yuru Pei</i> <i>Presenter: Yikai Han, Beihang University, China</i>
2436	Poster Session 1	B156 (Wed-PM)	MiCo: Multiple Instance Learning with Context-Aware Clustering for Whole Slide Image Analysis <i>Authors: Junjian Li, Jin Liu, Hulin Kuang, Hailin Yue, Mengshen He, Jianxin Wang</i> <i>Presenter: Junjian Li, Central South University, China</i>
2437	Poster Session 3	C218 (Thu-PM)	Integrate Semantic Radiomics as Prior Evidence into Evidential Deep Learning for Pelvic Lipomatosis Diagnosis <i>Authors: Zheran Zhang, Xiaodong Yue, Maoyu Wang, Zhikang Xu, Yufei Chen, Zhipeng Wei</i> <i>Presenter: Zheran Zhang, Shanghai University, China</i>
2438	Poster Session 5	B100 (Fri-PM)	GPU Accelerated Modeling of Cortical Radial and Tangential Connectivity Changes in Neurodegeneration <i>Authors: Hongbo Zhang, Xinyu Nie, Jiaxin Yue, Yuan Li, John Ringman, Yonggang Shi</i> <i>Presenter: Hongbo Zhang, University of Southern California, United States</i>
2448	Poster Session 2	C317 (Thu-AM)	CS²C: Collaborative Spatial and Spectral Neural Clustering for Organelle Segmentation from Volumetric Electron Microscopy <i>Authors: Jimao Jiang, Yuru Pei</i> <i>Presenter: Jimao Jiang, Peking University, China</i>
2453	Poster Session 5	C190 (Fri-PM)	Self-supervised Axial Super-Resolution for Volume Microscopy via Diffusion-Guided Structure Distillation <i>Authors: Bohao Chen, Yanchao Zhang, Yanan Lv, Hua Han, Xi Chen</i> <i>Presenter: Bohao Chen, School of Advanced Interdisciplinary Sciences, University of Chinese Academy of Sciences, China</i>
2457	Poster Session 3	B23 (Thu-PM)	One-shot active learning for vessel segmentation <i>Authors: Daniele Falcetta, Hava Chaptoukaev, Francesco Galati, Maria A. Zuluaga</i> <i>Presenter: Daniele Falcetta, EURECOM, France</i>

2460	Poster Session 1	B161 (Wed-PM)	Top-Down Attention-based Multiple Instance Learning for Whole Slide Image Analysis <i>Authors: Daniel Reisenbüchler, Ruining Deng, Christian Matek, Friedrich Feuerhake, Dorit Merhof</i> <i>Presenter: Daniel Reisenbüchler, University of Regensburg, Germany</i>
2462	Poster Session 2	B262 (Thu-AM)	EchoCardMAE: Video Masked Auto-Encoders Customized for Echocardiography <i>Authors: Xuan Yang, Rui Xu, Xinchun Ye, Zhihui Wang, Miao Zhang, Yi Wang, Xin Fan, Hongkai Wang, Qingxiong Yue, Xiangjian He, Yen-Wei Chen</i> <i>Presenter: Rui Xu, Dalian University of Technology, China</i>
2466	Poster Session 4	C314 (Fri-AM)	IFRFNet: Iterative Frequency Restoration-Fusion Network for Fast System Matrix Calibration on Magnetic Particle Image <i>Authors: Weixin Xu, Penghua Zhai, Jie Tian, Wei Mu</i> <i>Presenter: Weixin Xu, Beihang University, China</i>
2468	Poster Session 4	C334 (Fri-AM)	WDNet: A Novel Wavelet-guided Hierarchical Diffusion Network for Multi-Target Segmentation in Colonoscopy Images <i>Authors: Dongdong He, Fang Ma, Ziteng Liu, Xunhai Yin, Hao Liu, Wenpeng Gao, Chenghong Zhang, Yili Fu</i> <i>Presenter: Dongdong He, Harbin Institute of Technology, China</i>
2470	Poster Session 4	B129 (Fri-AM)	FSA-Net: Fractal-driven Synergistic Anatomy-aware Network for Segmenting White Line of Toldt in Laparoscopic Images <i>Authors: Kecheng Wu, Zhaohu Xing, Zerong Cai, Feng Gao, Wenxue Li, Lei Zhu</i> <i>Presenter: Kecheng Wu, The Hong Kong University of Science and Technology (Guangzhou), China</i>
2475	Poster Session 3	C223 (Thu-PM)	MT-WilmsNet: A Multi-Level Transformer Fusion Network for Wilms' Tumor Segmentation and Metastasis Prediction <i>Authors: Zhu Zhu, Wenjing Yu, Xiaohui Ma, Shuai Liu, Jie Dong, Yuxin Du, Changmiao Wang, Gang Yu</i> <i>Presenter: Zhu Zhu, Zhejiang University, China</i>
2476	Poster Session 2	B137 (Thu-AM)	Multi-Tracer Uptake Correction for PET-MR via Aligned-Feature Guidance and Multi-scale Pixel-adaptive Routing <i>Authors: Aocheng Zhong, Haolin Huang, Jing Wang, Zhenrong Shen, Haiyu Song, Junlei Wu, Yuhua Zhu, Yang Liu, Chuantao Zuo, Qian Wang</i> <i>Presenter: Aocheng Zhong, ShanghaiTech University, China</i>
2478	Poster Session 4	B234 (Fri-AM)	Surgical-MambaLLM: Mamba2-enhanced Multimodal Large Language Model for VQLA in Robotic Surgery <i>Authors: Pengfei Hao, Hongqiu Wang, Shuaibo Li, Zhaohu Xing, Guang Yang, Kaishun Wu, Lei Zhu</i> <i>Presenter: Pengfei Hao, The Hong Kong University of Science and Technology (Guangzhou), China</i>
2479	Poster Session 2	C322 (Thu-AM)	SMF-Net: Unlocking Multimodal Insights for Enhanced Stroke Lesion Segmentation <i>Authors: Meklit Atlaw, Geng Chen, Haotian Jiang, Xuyun Wen, Hengfei Cui, Yong Xia</i> <i>Presenter: Meklit Atlaw, Northwestern Polytechnical University, China</i>
2487	Poster Session 2	B142 (Thu-AM)	MediQA: A Scalable Foundation Model for Prompt-Driven Medical Image Quality Assessment <i>Authors: Siyi Xun, Yue Sun, Jingkun Chen, Zitong Yu, Tong Tong, Xiaohong Liu, Mingxiang Wu, Tao Tan</i> <i>Presenter: Siyi Xun, Macao Polytechnic University, China</i>
2488	Poster Session 3	C228 (Thu-PM)	Prototype-Guided Cross-Modal Knowledge Enhancement for Adaptive Survival Prediction <i>Authors: Fengchun Liu, Linghan Cai, Zhikang Wang, Zhiyuan Fan, Jin-gang Yu, Hao Chen, Yongbing Zhang</i>

			<i>Presenter: Fengchun Liu, Harbin Institute of Technology (Shenzhen), China</i>
2501	Poster Session 3	C23 (Thu-PM)	Longitudinal MRI-Clinical Multimodal Fusion for pCR Prediction in Breast Cancer <i>Authors: Dingrui Ma, Jiawei Cao, Hao Cheng, Dan Zhou, Jianping Liu, Xiaofeng Zhang, Kaijie Wu, Chaochen Gu, Xinping Guan</i> <i>Presenter: Dingrui Ma, Shanghai Jiao Tong University, China</i>
2503	Poster Session 1	C286 (Wed-PM)	PATE: Enhancing Few-Shot Pathological Image Classification via Prompt-Based Text-Image Embedding Adaptation <i>Authors: Shenghao Chen, Zhen Huang, Xiaoqian Zhou, Han Li, Chunjiang Wang, S. Kevin Zhou</i> <i>Presenter: Zhen Huang, University of Science and Technology of China, China</i>
2505	Poster Session 1	B166 (Wed-PM)	MambaMER: Adaptive EEG-Guided Multimodal Emotion Recognition with Mamba <i>Authors: Xiangle Ping, Wenhui Huang, Yuanjie Zheng</i> <i>Presenter: Wenhui Huang, Shandong Normal University, China</i>
2508	Poster Session 3	B233 (Thu-PM)	Iterative Deployment Exposure for Unsupervised Out-of-Distribution Detection <i>Authors: Lars Doorenbos, Raphael Sznitman, Pablo Márquez-Neila</i> <i>Presenter: Lars Doorenbos, University of Bonn, Germany</i>
2510	Poster Session 4	A129 (Fri-AM)	Equitable Federated Learning with NCA <i>Authors: Nick Lemke, Mirko Konstantin, Henry John Krumb, John Kalkhof, Jonathan Stieber, Anirban Mukhopadhyay</i> <i>Presenter: Nick Lemke, Technische Universität Darmstadt, Germany</i>
2515	Poster Session 5	C200 (Fri-PM)	A Diffusion-Driven Temporal Super-Resolution and Spatial Consistency Enhancement Framework for 4D MRI imaging <i>Authors: Xuanru Zhou, Jiarun Liu, Shoujun Yu, Hao Yang, Cheng Li, Tao Tan, Shanshan Wang</i> <i>Presenter: Xuanru Zhou, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China</i>
2517	Poster Session 3	C238 (Thu-PM)	Uncertainty-Aware Multimodal MRI Fusion for HIV-Associated Asymptomatic Neurocognitive Impairment Prediction <i>Authors: Zige Chen, Haonan Qin, Wei Wang, Zhongkai Zhou, Chen Zhao, Yuqi Fang, Caifeng Shan</i> <i>Presenter: Zige Chen, Nanjing University, China</i>
2523	Poster Session 2	C327 (Thu-AM)	Bridging Classical and Learning-based Iterative Registration through Deep Equilibrium Models <i>Authors: Yi Zhang, Yidong Zhao, Qian Tao</i> <i>Presenter: Yi Zhang, Delft University of Technology, The Netherlands</i>
2532	Poster Session 5	B175 (Fri-PM)	Various Attention Mechanism Graph Convolutional Network with Multi-Source Domain Adaptation for Cross-Subject EEG Emotion Recognition <i>Authors: Shuo Shi, Xulei Zheng, Taiyi Wu, Xiaoke Hao</i> <i>Presenter: Xiaoke Hao, Hebei University of Technology, China</i>
2539	Poster Session 3	C243 (Thu-PM)	CTSL: Codebook-based Temporal-Spatial Learning for Accurate Non-Contrast Cardiac Risk Prediction Using Cine MRIs <i>Authors: Haoyang Su, Shaohao Rui, Jinyi Xiang, Lianming Wu, Xiaosong Wang</i> <i>Presenter: Haoyang Su, Fudan University, China</i>
2540	Poster Session 3	C248 (Thu-PM)	Boosting Generalizability in NPC ART Prediction via Multi-Omics Feature Mapping <i>Authors: Jiabao Sheng, Zhe Li, Jiang Zhang, Saikit Lam, Zhi Chen, Lei Xing, Jing Cai</i> <i>Presenter: Jiabao Sheng, The Hong Kong Polytechnic University, Hong Kong SAR</i>
2543	Poster Session 5	C250	Multi-Linear 3D Craniofacial Infant Shape Model

		(Fri-PM)	<i>Authors: Till N. Schnabel, Yoriko Lill, Benito K. Benitez, Gaspard Krief, Sebastián Tapia Corón, Friederike Prüfer, Philipp Metzler, Andreas A. Mueller, Markus Gross, Barbara Solenthaler</i> <i>Presenter: Till Schnabel, ETH Zurich, Switzerland</i>
2547	Poster Session 5	C205 (Fri-PM)	SurgX: Neuron-Concept Association for Explainable Surgical Phase Recognition <i>Authors: Ka Young Kim, Hyeon Bae Kim, Seong Tae Kim</i> <i>Presenter: Ka Young Kim, Kyung Hee University, Republic of Korea</i>
2561	Poster Session 3	B238 (Thu-PM)	Cross-Modality Supervised Prostate Segmentation on CBCT for Adaptive Radiotherapy <i>Authors: Balint Kovacs, Goran Stanic, Fabian Weykamp, Florian Ebert, Dimitrios Bounias, Bouchra Tawk, Martin Niklas, Jakob Liermann, Oliver Jäkel, Klaus H. Maier-Hein, Ralf Floca, Kristina Giske</i> <i>Presenter: Balint Kovacs, German Cancer Research Center (DKFZ) Heidelberg, Germany</i>
2574	Poster Session 4	B139 (Fri-AM)	BREA-Depth: Bronchoscopy Realistic Airway-geometric Depth Estimation <i>Authors: Francis Xiatian Zhang, Emile Mackute, Mohammadreza Kasaei, Kevin Dhaliwal, Robert Thomson, Mohsen Khadem</i> <i>Presenter: Francis Xiatian Zhang, The University of Edinburgh, United Kingdom</i>
2575	Poster Session 4	B79 (Fri-AM)	MedAgentSim: Self-Evolving Multi-Agent Simulations for Realistic Clinical Interactions <i>Authors: Mohammad Almansoori, Komal Kumar, Hisham Cholakkal</i> <i>Presenter: Mohammad Almansoori, Mohamed bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
2578	Poster Session 1	A66 (Wed-PM)	LiteTracker: Leveraging Temporal Causality for Accurate Low-latency Tissue Tracking <i>Authors: Mert Asim Karaoglu, Wenbo Ji, Ahmed Abbas, Nassir Navab, Benjamin Busam, Alexander Ladikos</i> <i>Presenter: Mert Asim Karaoglu, ImFusion GmbH and Technical University of Munich, Germany</i>
2592	Poster Session 4	C319 (Fri-AM)	Hierarchical Part-based Generative Model for Realistic 3D Blood Vessel <i>Authors: Siqi Chen, Guoqing Zhang, Jiahao Lai, Bingzhi Shen, Sihong Zhang, Caixia Dong, Xuejin Chen, Yang Li</i> <i>Presenter: Siqi Chen, Tsinghua University, China</i>
2595	Poster Session 5	C210 (Fri-PM)	Physics-Informed Neural Operators for Tissue Elasticity Reconstruction <i>Authors: Youjin Kim, Jae Yong Lee, Junseok Kwon</i> <i>Presenter: Youjin Kim, Chung-Ang University, Republic of Korea</i>
2599	Poster Session 1	C291 (Wed-PM)	Pathology Report Generation and Multimodal Representation Learning for Cutaneous Melanocytic Lesions <i>Authors: Ruben T. Lucassen, Sander P. J. Moonemans, Tijn van de Luijtgarden, Gerben E. Breimer, Willeke A. M. Blokk, Mitko Veta</i> <i>Presenter: Ruben Lucassen, University Medical Center Utrecht, The Netherlands</i>
2605	Poster Session 3	B83 (Thu-PM)	Reverse Imaging for Wide-spectrum Generalization of Cardiac MRI Segmentation <i>Authors: Yidong Zhao, Peter Kellman, Hui Xue, Tongyun Yang, Yi Zhang, Yuchi Han, Orlando Simonetti, Qian Tao</i> <i>Presenter: Yidong Zhao, Delft University of Technology, The Netherlands</i>
2608	Poster Session 1	B171 (Wed-PM)	Location-Aware Parameter Fine-Tuning for Multimodal Image Segmentation <i>Authors: Sicong Gao, Maurice Pagnucco, Yang Song</i> <i>Presenter: Yang Song, The University of New South Wales, Australia</i>

2609	Poster Session 2	C27 (Thu-AM)	Towards Accurate Tumor Budding Detection: A Benchmark Dataset and A Detection Approach Based on Implicit Annotation Standardization and Positive-Negative Feature Coupling <i>Authors: Rui-Qing Sun, Zeng Fan, Boyang Dai, Yiyang Su, Qun Hao, Chuyang Ye, Shaohui Zhang</i> <i>Presenter: Shaohui Zhang, Beijing Institute of Technology, China</i>
2618	Poster Session 1	C296 (Wed-PM)	From Slices to Volumes: Multi-Scale Fusion of 2D and 3D Features for CT Scan Report Generation <i>Authors: Abdullah Hosseini, Ahmed Ibrahim, Ahmed Serag</i> <i>Presenter: Abdullah Hosseini, Weill Cornell Medicine - Qatar, Qatar</i>
2627	Poster Session 3	B243 (Thu-PM)	DpDNet: An Dual-Prompt-Driven Network for Universal PET-CT Segmentation <i>Authors: Xinglong Liang, Jiaju Huang, Luyi Han, Tianyu Zhang, Xin Wang, Yuan Gao, Chunyao Lu, Lishan Cai, Tao Tan, Ritse Mann</i> <i>Presenter: Xinglong Liang, The Netherlands Cancer Institute, The Netherlands</i>
2630	Poster Session 4	C324 (Fri-AM)	Spatio-temporal Pre-trained Foundation Model for Neural Decoding with Fine-grained Optimization <i>Authors: Ziyu Li, Zhiyuan Zhu, Yang Bai, Qing Li, Xia Wu</i> <i>Presenter: Ziyu Li, Beijing Institute of Technology, China</i>
2631	Poster Session 3	C253 (Thu-PM)	Brain-Heart-Gut Guided Multi-Constraint Knowledge Distillation for Early Alzheimer's Disease Diagnosis <i>Authors: Fan Li, Shilun Zhao, Shuwei Bai, Yuxiao Liu, Kai Zhang, Yin Xu, Ya Zhang, Kaicong Sun, Dinggang Shen</i> <i>Presenter: Fan Li, ShanghaiTech University, China</i>
2632	Poster Session 1	C301 (Wed-PM)	Tumor Microenvironment-Guided Fine-Tuning of Pathology Foundation Models for Esophageal Squamous Cell Carcinoma Immunotherapy Response Prediction <i>Authors: Yixuan Lin, Weiping Lin, Chenxu Guo, Xinxin Yang, Hongxue Meng, Liansheng Wang</i> <i>Presenter: Yixuan Lin, Xiamen University, China</i>
2633	Poster Session 5	B180 (Fri-PM)	Multi-Sensory Cognitive Computing for Learning Population-level Brain Connectivity <i>Authors: Mayssa Soussia, Mohamed Ali Mahjoub, Islem Rekik</i> <i>Presenter: Mayssa Soussia, ENISO, Tunisia</i>
2634	Poster Session 5	C100 (Fri-PM)	Memory-Augmented SAM2 for Training-Free Surgical Video Segmentation <i>Authors: Ming Yin, Fu Wang, Xujiang Ye, Yanda Meng, Zeyu Fu</i> <i>Presenter: Ming Yin, University of Exeter, United Kingdom</i>
2642	Poster Session 4	B144 (Fri-AM)	Towards Holistic Surgical Scene Graph <i>Authors: Jongmin Shin, Enki Cho, Ka Young Kim, Jung Yong Kim, Seong Tae Kim, Namkee Oh</i> <i>Presenter: Jongmin Shin, Samsung Medical Center, Republic of Korea</i>
2645	Poster Session 3	C258 (Thu-PM)	Feature Copy-Paste Network for Lung Cancer EGFR Mutation Status Prediction in CT images <i>Authors: Xingyu Huang, Shuo Wang, Chengcai Liu, Haolin Sang, Yi Wu, Jie Tian</i> <i>Presenter: Xingyu Huang, Beihang University, China</i>
2653	Poster Session 1	B176 (Wed-PM)	SAMASK-CLTR : A spatial-aware mask guided learning model for benign and malignant tumor classification in ABUS <i>Authors: Peirong Xu, Luoqian Zhu, Jingkun Chen, Xin Qian, Yue Sun, Lingyun Bao, Tao Tan</i> <i>Presenter: Peirong Xu, Macao Polytechnic University, China</i>
2655	Poster Session 1	B181 (Wed-PM)	A Composite Alignment-Aware Framework for Myocardial Lesion Segmentation in Multi-sequence CMR Images <i>Authors: Yifan Gao, Shaohao Rui, Haoyang Su, Jinyi Xiang, Lianming Wu, Xiaosong Wang</i>

			<i>Presenter: Yifan Gao, University of Science and Technology of China, China</i>
2656	Poster Session 3	C263 (Thu-PM)	Conditional Latent Diffusion Models for Irregularly Spaced Longitudinal Radiological Data <i>Authors: Nabil Mouadden, Othmane Laousy, Rafael Marini, Valentin Ong, Marie-Pierre Revel, Guillaume Chassagnon, Stergios Christodoulidis, Maria Vakalopoulou</i> <i>Presenter: Maria Vakalopoulou, Centrale Supélec, University Paris Saclay, France</i>
2663	Poster Session 5	C215 (Fri-PM)	Memory-Augmented Incomplete Multimodal Survival Prediction via Cross-Slide and Gene-Attentive Hypergraph Learning <i>Authors: Mingcheng Qu, Guang Yang, Donglin Di, Yue Gao, Tonghua Su, Yang Song, Lei Fan</i> <i>Presenter: Guang Yang, Harbin Institute of Technology, China</i>
2665	Poster Session 1	C306 (Wed-PM)	MOTOR: Multimodal Optimal Transport via Grounded Retrieval in Medical Visual Question Answering <i>Authors: Mai A. Shaaban, Tausifa Jan Saleem, Vijay Ram Kumar Papineni, Mohammad Yaqub</i> <i>Presenter: Mai A. Shaaban, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
2666	Poster Session 2	C332 (Thu-AM)	GLM-SFNet: Global-Local Vision-Mamba with Semantic Fusion for Medical Image Segmentation <i>Authors: Jiahui Chen, Fei Qi, Chengyuan Chang, Qinjie Hu, Kaiwen Fu, Xiaotian Wang, Kun Liu</i> <i>Presenter: Jiahui Chen, Xidian University, China</i>
2669	Poster Session 4	C329 (Fri-AM)	DCT-Net: Dual-branch CT Reconstruction from Orthogonal X-rays with Diffusion Model and Contrastive Learning <i>Authors: Zhiyu Zhang, Cong Shen, Jijun Tang, Zhijun Liao</i> <i>Presenter: Zhiyu Zhang, Tianjin University of Technology, China</i>
2683	Poster Session 2	C42 (Thu-AM)	Automated Characterization of Myocardial Scar Topological Patterns for Ventricular Tachycardia Screening <i>Authors: Xicheng Sheng, Yang Zhang, Lei Li, Bailiang Chen, Freddy Odille, Xiahai Zhuang</i> <i>Presenter: Lei Li, National University of Singapore, Singapore</i>
2690	Poster Session 2	A292 (Thu-AM)	Is Hyperbolic Space All You Need for Medical Anomaly Detection? <i>Authors: Alvaro Gonzalez-Jimenez, Simone Lionetti, Ludovic Amruthalingam, Philippe Gottfrois, Fabian Gröger, Marc Pouly, Alexander A. Navarini</i> <i>Presenter: Alvaro Gonzalez-Jimenez, University Hospital of Basel, Switzerland</i>
2691	Poster Session 3	C268 (Thu-PM)	Self-Propagative Multi-Task Learning for Predicting Cardiometabolic Risk Factors <i>Authors: Seonghyeon Ko, Huigyu Yang, Junghyun Bum, Duc-Tai Le, Hyunseung Choo</i> <i>Presenter: Seonghyeon Ko, Sungkyunkwan University, Republic of Korea</i>
2692	Poster Session 5	A105 (Fri-PM)	Edge-semantic Synergy Fusion and Adaptive Noise-aware for Weakly Supervised Pathological Tissue Segmentation <i>Authors: Hualong Zhang, Siyang Feng, Zihan Huan, Huadeng Wang, Zhenbing Liu, Rushi Lan, Xipeng Pan</i> <i>Presenter: Hualong Zhang, Guilin university of Electronic Technology, China</i>
2697	Poster Session 3	C273 (Thu-PM)	Spatially Gene Expression Prediction using Dual-Scale Contrastive Learning <i>Authors: Mingcheng Qu, Yuncong Wu, Donglin Di, Yue Gao, Tonghua Su, Yang Song, Lei Fan</i> <i>Presenter: Mingcheng Qu, Harbin Institute of Technology, China</i>
2701	Poster Session 4	A354 (Fri-AM)	4D CardioSynth: Synthesising Dynamic Virtual Heart Populations through Spatiotemporal Disentanglement <i>Authors: Haoran Dou, Jinghan Huang, Arezoo Zakeri, Zherui Zhou, Tingting Mu, Jinming Duan, Alejandro F. Frangi</i> <i>Presenter: Haoran Dou, University of Manchester, United Kingdom</i>

2702	Poster Session 3	B248 (Thu-PM)	MedNNS: Supernet-based Medical Task-Adaptive Neural Network Search <i>Authors: Lotfi Abdelkrim Mecharbat, Ibrahim Almakky, Martin Takac, Mohammad Yaqub</i> <i>Presenter: Lotfi Abdelkrim Mecharbat, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
2709	Poster Session 1	B186 (Wed-PM)	Small Lesions-aware Bidirectional Multimodal Multiscale Fusion Network for Lung Disease Classification <i>Authors: Jianxun Yu, Ruiquan Ge, Zhipeng Wang, Cheng Yang, Chenyu Lin, Xianjun Fu, Jikui Liu, Ahmed Elazab, Changmiao Wang</i> <i>Presenter: Jikui Liu, Shenzhen Polytechnic University, China</i>
2711	Poster Session 5	B185 (Fri-PM)	LG-DBGL: Lateralization-Guided Dissociative Brain Graph Learning for Alzheimer's Disease Identification <i>Authors: Jiazhen Ye, Manman Yuan, Junlin Li, Weiming Jia, Jiacheng Wang, Jiapei Li</i> <i>Presenter: Jiazhen Ye, Inner Mongolia University, China</i>
2714	Poster Session 3	C278 (Thu-PM)	Multiview Feature Fusion and Contrastive Learning for Drug-Target Interaction Prediction <i>Authors: Xiaoting Zeng, Li Li, Yu Liang, Weilin Chen, Baiying Lei</i> <i>Presenter: Xiaoting Zeng, Shenzhen University, China</i>
2716	Poster Session 4	B269 (Fri-AM)	Veriserum: A dual-plane fluoroscopic dataset with knee implant phantoms for deep learning in medical imaging <i>Authors: Jinhao Wang, Florian Vogl, Pascal Schütz, Saša Ćuković, William R. Taylor</i> <i>Presenter: Jinhao Wang, ETH Zürich, Switzerland</i>
2717	Poster Session 3	C28 (Thu-PM)	Predicting Alzheimer's Disease Progression Using a Regression-based Survival Model with Longitudinal Data <i>Authors: Ling Dai, Yiqun Sun, Jincheng Gu, Qinsen Bao, Feihong Liu, Dinggang Shen</i> <i>Presenter: Ling Dai, ShanghaiTech University, China</i>
2723	Poster Session 4	B149 (Fri-AM)	Localization Lens for Improving Medical Vision-Language Models <i>Authors: Hasan Farooq, Murtaza Taj, Mehwish Nasim, Arif Mahmood</i> <i>Presenter: Hasan Farooq, Lahore University of Management Sciences, Pakistan</i>
2724	Poster Session 3	A238 (Thu-PM)	MDAA-Diff: CT-Guided Multi-Dose Adaptive Attention Diffusion Model for PET Denoising <i>Authors: Xiaolong Niu, Zanting Ye, Xu Han, Yanchao Huang, Hao Sun, Hubing Wu, Lijun Lu</i> <i>Presenter: Xiaolong Niu, Southern Medical University, China</i>
2727	Poster Session 4	C34 (Fri-AM)	Semi-Supervised Deformation-Free Image-to-Image Translation for Realistic CT Synthesis from CBCT <i>Authors: Ji Yong Han, Su Yang, Sujeong Kim, Sunjung Kim, Sang-Heon Lim, Heejin Yun, Dahee Kim, Won-Jin Yi</i> <i>Presenter: Ji Yong Han, Seoul National University, Republic of Korea</i>
2728	Poster Session 3	C288 (Thu-PM)	Progression-Aware Generative Model Enhancing Baseline Visit Prediction of Early Alzheimer's Disease <i>Authors: Xingyu Gao, Runyi Guo, Zhe Zhao</i> <i>Presenter: Xingyu Gao, Donghua University, China</i>
2729	Poster Session 1	C311 (Wed-PM)	Med-LEGO: Editing and Adapting toward Generalist Medical Image Diagnosis <i>Authors: Yitao Zhu, Yuan Yin, Jiaming Li, Mengjie Xu, Zihao Zhao, Honglin Xiong, Sheng Wang, Qian Wang</i> <i>Presenter: Yitao Zhu, ShanghaiTech University, China</i>
2738	Poster Session 5	B190 (Fri-PM)	Anatomy-Guided Multimodal Graph Networks for Alzheimer's Disease: Integrative Analysis of Cross-Modal Brain Connectivity Signatures <i>Authors: Wenzheng Hu, Zhenghua Guan, Peng Yang, Jiaqiang Li, Yi Liu, Shushen Gan, Tuo Cai, Ao Zhang, Tengda Zhang, Junlong Qu, Shaolong Wang, Gege Cai, Xiang Dong, Tianfu Wang, Baiying Lei</i>

			<i>Presenter: Wenzheng Hu, Shenshen University, China</i>
2740	Poster Session 2	A207 (Thu-AM)	Controllable Image Synthesis Workflow for Enhancing Cervical Cell Detection <i>Authors: Yihuang Hu, Qi Chen, Linbo Liao, Weiping Lin, Huisi Wu, Liansheng Wang</i> <i>Presenter: Yihuang Hu, Xiamen University, China</i>
2742	Poster Session 4	A361 (Fri-AM)	Sim-to-Real Transformer-Based Shape Reconstruction for Automated Orthopedic Fracture Reduction Planning <i>Authors: Sutuke Yibulayimu, Yanzhen Liu, Yudi Sang, Gang Zhu, Hui Li, Hao Lu, Chunpeng Zhao, Xinbao Wu, Yu Wang</i> <i>Presenter: Yanzhen Liu, Beihang University, China</i>
2744	Poster Session 3	C133 (Thu-PM)	From Pixels to Prognosis: A Multi-Modal Attention-based Framework for Visceral Adipose Tissue Estimation <i>Authors: Arooba Maqsood, Afsah Saleem, Marc Sim, David Suter, Simone Radavelli-Bagatini, Jonathan M. Hodgson, Richard L. Prince, Kun Zhu, William D. Leslie, John T. Schousboe, Joshua R. Lewis, Syed Zulqarnain Gilani</i> <i>Presenter: Arooba Maqsood, Edith Cowan University, Australia</i>
2745	Poster Session 2	A297 (Thu-AM)	Hierarchical Spatio-temporal Segmentation Network for Ejection Fraction Estimation in Echocardiography Videos <i>Authors: Dongfang Wang, Jian Yang, Yizhe Zhang, Tao Zhou</i> <i>Presenter: Dongfang Wang, Nanjing University of Science and Technology, China</i>
2758	Poster Session 2	C22 (Thu-AM)	Minuscule Cell Detection in AS-OCT Images with Progressive Field-of-View Focusing <i>Authors: Boyu Chen, Ameenat Solebo, Daqian Shi, Jinge Wu, Paul Taylor</i> <i>Presenter: Boyu Chen, University College London, United Kingdom</i>
2766	Poster Session 1	C316 (Wed-PM)	RetSTA: An LLM-Based Approach for Standardizing Clinical Fundus Image Reports <i>Authors: Jiushen Cai, Weihang Zhang, Hanruo Liu, Ningli Wang, Huiqi Li</i> <i>Presenter: Jiushen Cai, Beijing Institute of Technology, China</i>
2769	Poster Session 3	A113 (Thu-PM)	Time-Lapse Video-Based Embryo Grading via Complementary Spatial-Temporal Pattern Mining <i>Authors: Yong Sun, Yipeng Wang, Junyu Shi, Zhiyuan Zhang, Yanmei Xiao, Lei Zhu, Manxi Jiang, Qiang Nie</i> <i>Presenter: Yong Sun, The Hong Kong University of Science and Technology (Guangzhou), China</i>
2771	Poster Session 1	A71 (Wed-PM)	SFPFR: Self-supervised Facial Paralysis Face Reconstruction Under Few Views <i>Authors: Yaru Qiu, Xinru Wang, Jianfang Zhang, Bo Liu, Peng Bai, Yuanyuan Sun</i> <i>Presenter: Jianfang Zhang, Qingdao University of Science and Technology, China</i>
2773	Poster Session 2	A197 (Thu-AM)	LVPNet: A Latent-variable-based Prediction-driven End-to-end Framework for Lossless Compression of Medical Images <i>Authors: Chenyue Song, Chen Hui, Qing Lin, Wei Zhang, Siqiao Li, Haiqi Zhu, Shengping Zhang, Zhixuan Li, Shaohui Liu, Feng Jiang, Xiang Li</i> <i>Presenter: Chenyue Song, Harbin Institute of Technology, China</i>
2774	Poster Session 1	A76 (Wed-PM)	Hypergraph Tversky-Aware Domain Incremental Learning for Brain Tumor Segmentation with Missing Modalities <i>Authors: Junze Wang, Lei Fan, Weipeng Jing, Donglin Di, Yang Song, Sidong Liu, Cong Cong</i> <i>Presenter: Junze Wang, Northeast Forestry University, China</i>
2780	Poster Session 2	B147 (Thu-AM)	MS-IQA: A Multi-Scale Feature Fusion Network for PET/CT Image Quality Assessment <i>Authors: Siqiao Li, Chen Hui, Wei Zhang, Rui Liang, Chenyue Song, Feng Jiang, Haiqi Zhu, Zhixuan Li, Hong Huang, Xiang Li</i> <i>Presenter: Siqiao Li, Harbin Institute of Technology, China</i>

2782	Poster Session 5	A110 (Fri-PM)	Bridging the Gap in Missing Modalities: Leveraging Knowledge Distillation and Style Matching for Brain Tumor Segmentation <i>Authors: Shenghao Zhu, Yifei Chen, Weihong Chen, Yuanhan Wang, Chang Liu, Shuo Jiang, Feiwei Qin, Changmiao Wang</i> <i>Presenter: Shenghao Zhu, Hangzhou Dianzi University, China</i>
2786	Poster Session 5	C220 (Fri-PM)	Hypergraph-Guided Federated Distillation Learning for Efficient and Robust Multi-Center fMRI Data Analysis <i>Authors: Tao Jin, Yidan Xu, Yuhan Gao, Xichun Sheng, Chenggang Yan, Yaoqi Sun, Xiangmin Han, Yue Gao</i> <i>Presenter: Yidan Xu, Hangzhou Dianzi University, China</i>
2788	Poster Session 4	A349 (Fri-AM)	MOST: MR reconstruction Optimization for multiple downStream Tasks via continual learning <i>Authors: Hwihun Jeong, Se Young Chun, Jongho Lee</i> <i>Presenter: Hwihun Jeong, Seoul National University, Republic of Korea</i>
2799	Poster Session 4	A134 (Fri-AM)	Bridging Knowledge Discrepancy in Retinal Image Analysis through Federated Multi-Task Learning <i>Authors: Jing Yang, Yuxi Ma, Jin-Gang Yu, Feng Gao, Shuting Yang, Du Cai, Jiacheng Wang, Liansheng Wang</i> <i>Presenter: Jing Yang, National Institute for Data Science in Health and Medicine & Xiamen University, China</i>
2800	Poster Session 5	C225 (Fri-PM)	DIY Challenge Blueprint: From Organization to Technical Realization in Biomedical Image Analysis <i>Authors: Leonard Klausmann, Tobias Rueckert, David Rauber, Raphaela Maerkl, Suemeyye R. Yildiran, Max Gutbrod, Christoph Palm</i> <i>Presenter: Leonard Klausmann, OTH Regensburg, Germany</i>
2804	Poster Session 1	B191 (Wed-PM)	Knowledge Bridges the Intent Gap: Contextual Fusion in Medical Fine-Grained Segmentation <i>Authors: Hengyuan Zhang, Peng Qiao, Wenyu Li, Yan Jia, Yong Dou</i> <i>Presenter: Hengyuan Zhang, National University of Defense Technology, China</i>
2815	Poster Session 2	C47 (Thu-AM)	HybridMamba: A Dual-domain Mamba for 3D Medical Image Segmentation <i>Authors: Weitong Wu, Zhaohu Xing, Jing Gong, Qin Peng, Lei Zhu</i> <i>Presenter: Weitong Wu, The Hong Kong University of Science and Technology (Guangzhou), China</i>
2825	Poster Session 3	A153 (Thu-PM)	Physiological neural representation for personalised tracer kinetic parameter estimation from dynamic PET <i>Authors: Kartikay Tehlan, Thomas Wendler</i> <i>Presenter: Kartikay Tehlan, Technical University of Munich, Germany</i>
2827	Poster Session 1	C321 (Wed-PM)	Eliminating Language Bias for Medical Visual Question Answering with Counterfactual Contrastive Training <i>Authors: Xingyu Wan, Qiaoying Teng, Jun Chen, Yonghan Lu, Deqi Yuan, Zhe Liu</i> <i>Presenter: Qiaoying Teng, Jiangsu University, China</i>
2840	Poster Session 2	A77 (Thu-AM)	PolarDETR: Enhancing Interpretability in Multi-modal Methods for Jawbone Lesion Detection in CBCT <i>Authors: Yuxuan Yang, Chen Zhong, Xinyue Zhang, Ruohan Ma, Gang Li, Yong Guo, Jupeng Li</i> <i>Presenter: Yuxuan Yang, Beijing Jiaotong University, China</i>
2841	Poster Session 3	A108 (Thu-PM)	Unraveling Brainstem Deformations in Joubert Syndrome: A Statistical Shape Analysis of MRI-Derived Structures <i>Authors: Francesca Maccarone, Giorgio Longari, Filippo Arrigoni, Denis Peruzzo, Simone Melzi</i> <i>Presenter: Francesca Maccarone, University of Milano-Bicocca, Italy</i>

2850	Poster Session 3	C293 (Thu-PM)	Adaptive Adversarial Data Augmentation with Trajectory Constraint for Alzheimer's Disease Conversion Prediction <i>Authors: Hyuna Cho, Hayoung Ahn, Guorong Wu, Won Hwa Kim</i> <i>Presenter: Hyuna Cho, Pohang University of Science and Technology, Republic of Korea</i>
2854	Poster Session 3	B253 (Thu-PM)	SAM2-ProMem: Enhancing Zero-Shot 3D Segmentation with Stochastic Propagation and Memory Search <i>Authors: Yujie Wang, Juntao Huang, Dazhu Liang, Fangzhou Liao, Jie Chen, Boan Chen</i> <i>Presenter: Yujie Wang, Shukun Technology & Shanghai Jiaotong University, China</i>
2865	Poster Session 4	C144 (Fri-AM)	Unisyn: A Generative Foundation Model for Universal Medical Image Synthesis across MRI, CT and PET <i>Authors: Yulin Wang, Honglin Xiong, Kaicong Sun, Jiameng Liu, Xin Lin, Ziyi Chen, Yuanzhe He, Qian Wang, Dinggang Shen</i> <i>Presenter: Yulin Wang, ShanghaiTech University, China</i>
2868	Poster Session 2	B152 (Thu-AM)	Background-Invariant Independence-Guided Multi-head Attention Network for Skin Lesion Classification <i>Authors: Debasmit Roy, Srinjoy Dutta, Soham Bose, Friedhelm Schwenker, Ram Sarkar</i> <i>Presenter: Debasmit Roy, Jadavpur University, India</i>
2874	Poster Session 4	A366 (Fri-AM)	Steerable Anatomical Shape Synthesis with Implicit Neural Representations <i>Authors: Bram de Wilde, Max T. Rietberg, Guillaume Lajoinie, Jelmer M. Wolterink</i> <i>Presenter: Jelmer Wolterink, University of Twente, The Netherlands</i>
2881	Poster Session 4	A304 (Fri-AM)	Faster, Self-Supervised Super-Resolution for Anisotropic Multi-View MRI Using a Sparse Coordinate Loss <i>Authors: Maja Schlereth, Moritz Schillinger, Katharina Breininger</i> <i>Presenter: Maja Schlereth, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany</i>
2882	Poster Session 1	B196 (Wed-PM)	CENet: Context Enhancement Network for Medical Image Segmentation <i>Authors: Afshin Bozorgpour, Sina Ghorbani Kolahi, Reza Azad, Ilker Hacihaliloglu, Dorit Merhof</i> <i>Presenter: Afshin Bozorgpour, University of Regensburg, Germany</i>
2888	Poster Session 4	A174 (Fri-AM)	Toward Medical Deepfake Detection: A Comprehensive Dataset and Novel Method <i>Authors: Shuaibo Li, Zhaohu Xing, Hongqiu Wang, Pengfei Hao, Xingyu Li, Zekai Liu, Lei Zhu</i> <i>Presenter: Shuaibo Li, The Hong Kong University of Science and Technology (Guangzhou), China</i>
2891	Poster Session 5	C230 (Fri-PM)	U-RWKV: Lightweight medical image segmentation with direction-adaptive RWKV <i>Authors: Hongbo Ye, Fenghe Tang, Peiang Zhao, Zhen Huang, Dexin Zhao, Minghao Bian, S. Kevin Zhou</i> <i>Presenter: Hongbo Ye, University of Science and Technology of China, China</i>
2892	Poster Session 1	C326 (Wed-PM)	Bridging Radiological Images and Factors with Vision-Language Model for Accurate Diagnosis of Proliferative Hepatocellular Carcinoma <i>Authors: Yanyan Huang, Wanli Zhang, Peixiang Huang, Yu Fu, Ruimeng Yang, Lequan Yu</i> <i>Presenter: Yanyan Huang, The University of Hong Kong, Hong Kong SAR</i>
2894	Poster Session 5	C235 (Fri-PM)	Implicit U-KAN2.0: Dynamic, Efficient and Interpretable Medical Image Segmentation <i>Authors: Chun-Wun Cheng, Yining Zhao, Yanqi Cheng, Javier A. Montoya-Zegarra, Carola-Bibiane Schönlieb, Angelica I. Aviles-Rivero</i> <i>Presenter: Chun-Wun Cheng, University of Cambridge, United Kingdom</i>
2897	Poster Session 5	B20 (Fri-PM)	Graph Disentanglement Learning for fMRI Analysis: Decoupling Disease, Covariates, and Individual Variability <i>Authors: Shengjie Zhang, Zhuangzhuang Jiang, Xin Shen, Ziqi Yu, Xiang Chen, Xiao-Yong Zhang, Yuan Zhou</i>

			<i>Presenter: Shengjie Zhang, Shanghai Jiao Tong University School of Medicine, China</i>
2899	Poster Session 2	A82 (Thu-AM)	Separable tissue representations for attributable risk prediction <i>Authors: Victor Wåhlstrand, Jennifer Alvé, Lisa Johansson, Kristian Axelsson, Mattias Lorentzon, Ida Häggström</i> <i>Presenter: Victor Wåhlstrand, Chalmers University of Technology, Sweden</i>
2910	Poster Session 5	C150 (Fri-PM)	Stronger Together: Registering Preoperative Imagery, LUS, and MIS Liver Images <i>Authors: Mohammad Mahdi Kalantari, Erol Ozgur, Mohammad Alkhatib, Navid Rabbani, Yamid Espinel, Richard Modrzejewski, Bertrand Le Roy, Emmanuel Buc, Youcef Mezouar, Adrien Bartoli</i> <i>Presenter: Mohammad Mahdi Kalantari, Clermont-Auvergne INP, France</i>
2911	Poster Session 3	B258 (Thu-PM)	LKA: Large Kernel Adapter for Enhanced Medical Image Classification <i>Authors: Ziquan Zhu, Si-Yuan Lu, Tianjin Huang, Lu Liu, Zhe Liu</i> <i>Presenter: Ziquan Zhu, University of Leicester, United Kingdom</i>
2924	Poster Session 2	B157 (Thu-AM)	High-Res Brain Source Imaging of MEG using a Vector Bayesian Beamformer with Noise learning <i>Authors: Tianyu Gao, Kunye Liu, Weikai Ma, Yang Gao, Xiaolin Ning</i> <i>Presenter: Tianyu Gao, Beihang University, China</i>
2926	Poster Session 4	A309 (Fri-AM)	FDF-VQVAE: A Frequency Disentanglement and Fusion Learning Framework for Multi-Sequence MRI Enhancement <i>Authors: Xinghe Xie, Luyi Han, Yue Sun, Chi Kin Lam, Jian Zheng, Tong Tong, Wei Ke, Chan-Tong Lam, Tao Tan</i> <i>Presenter: Xinghe Xie, Macao Polytechnic University, China</i>
2927	Poster Session 3	B263 (Thu-PM)	Single Image Test-Time Adaptation via Multi-View Co-Training <i>Authors: Smriti Joshi, Richard Osuala, Lidia Garrucho, Kaisar Kushibar, Dimitri Kessler, Oliver Diaz, Karim Lekadir</i> <i>Presenter: Smriti Joshi, Universitat de Barcelona, Spain</i>
2931	Poster Session 3	B128 (Thu-PM)	Tied Prototype Model for Few-Shot Medical Image Segmentation <i>Authors: Hyeongji Kim, Stine Hansen, Michael Kampffmeyer</i> <i>Presenter: Hyeongji Kim, UiT - The Arctic University of Norway, Norway</i>
2939	Poster Session 1	A81 (Wed-PM)	Real-Time SLAM-Based Correction and 3D Visualization for Fluorescence Lifetime Imaging <i>Authors: Murali Krishnamoorthy, Haoyin Zhou, Katherine Frazee, Rahul Pal, Jayender Jagadeesan, Anand T. N. Kumar</i> <i>Presenter: Anand Kumar, Mass Eye and Ear & Harvard Medical School, United States</i>
2947	Poster Session 2	B222 (Thu-AM)	Robust Deep Learning for Myocardial Scar Segmentation in Cardiac MRI with Noisy Labels <i>Authors: Aida Moafi, Danial Moafi, Evgeny M. Mirkes, Gerry P. McCann, Abbas S. Alatrany, Jayanth Ranjit Arnold, Mostafa Mehdipour Ghazi</i> <i>Presenter: Aida Moafi, University of Leicester, United Kingdom</i>
2950	Poster Session 5	B200 (Fri-PM)	Does Connectome Harmonic Analysis pass the Spin Test? <i>Authors: Raphaël Vock, Antoine Grigis, Benoît Dufumier, Edouard Duchesnay</i> <i>Presenter: Raphaël Vock, CEA, NeuroSpin, Université Paris-Saclay, France</i>
2951	Poster Session 3	C298 (Thu-PM)	MReg: A Novel Regression Model with MoE-based Video Feature Mining for Mitral Regurgitation Diagnosis <i>Authors: Zhe Liu, Yuhao Huang, Lian Liu, Chengrui Zhang, Haotian Lin, Tong Han, Zhiyuan Zhu, Yanlin Chen, Ruiyue Chen, Dong Ni, Zhongshan Gou, Xin Yang</i> <i>Presenter: Zhe Liu, Shenzhen University, China</i>

2956	Poster Session 3	B268 (Thu-PM)	LEAF: Latent Diffusion with Efficient Encoder Distillation for Aligned Features in Medical Image Segmentation <i>Authors: Qilin Huang, Tianyu Lin, Zhiguang Chen, Fudan Zheng</i> <i>Presenter: Qilin Huang, Sun Yat-sen University, China</i>
2963	Poster Session 4	A314 (Fri-AM)	Causality-driven Spatio-temporal Generator for Multi-phase Contrast-enhanced CT Synthesis <i>Authors: Qikui Zhu, Hao Wu, Yanyan Zhang, Shuo Li</i> <i>Presenter: Qikui Zhu, Case Western Reserve University, United States</i>
2966	Poster Session 4	A194 (Fri-AM)	Hierarchical Anatomy-Aware Guidance for Brain Tissue Microstructure Reconstruction from T1-weighted MRI <i>Authors: Yuxing Li, Chuyang Ye</i> <i>Presenter: Chuyang Ye, Beijing Institute of Technology, China</i>
2967	Poster Session 5	A15 (Fri-PM)	FDAS: Foundation Model Distillation and Anatomic Structure-aware Multi-task Learning for Self-Supervised Medical Image Segmentation <i>Authors: Xiaoran Qi, Guoning Zhang, Jianghao Wu, Shaoting Zhang, Xiaorong Hou, Guotai Wang</i> <i>Presenter: Xiaoran Qi, University of Electronic Science and Technology of China, China</i>
2979	Poster Session 5	A120 (Fri-PM)	UltrON: Ultrasound Occupancy Networks <i>Authors: Magdalena Wysocki, Felix Duelmer, Ananya Bal, Nassir Navab, Mohammad Farid Azampour</i> <i>Presenter: Magdalena Wysocki, Technical University of Munich, Germany</i>
2980	Poster Session 1	B201 (Wed-PM)	Predicting Femoral Head Collapse Risk in Osteonecrosis Using Label Tokenization: A Multi-Modality Survival Analysis Approach <i>Authors: Ganping Li, Yoshito Otake, Yuito Kameda, Keisuke Uemura, Kazuma Takashima, Hirokazu Mae, Sotaro Kono, Hidetoshi Hamada, Seiji Okada, Nobuhiko Sugano, Yoshinobu Sato</i> <i>Presenter: Yoshinobu Sato, Nara Medical University, Japan</i>
2982	Poster Session 3	B273 (Thu-PM)	Robust sensitivity control in digital pathology via tile score distribution matching <i>Authors: Arthur Pignet, John Klein, Geneviève Robin, Antoine Olivier</i> <i>Presenter: Antoine Olivier, Owkin, France</i>
2987	Poster Session 5	C240 (Fri-PM)	A New Paradigm for Low-dose PET/CT Reconstruction with Mamba-powered Progressive Network and Physics-informed Consistency <i>Authors: Zixin Tang, Caiwen Jiang, Zhiming Cui, Dinggang Shen</i> <i>Presenter: Zixin Tang, ShanghaiTech University, China</i>
2995	Poster Session 3	B28 (Thu-PM)	MedGCD: Generalized Category Discovery in Medical Imaging <i>Authors: Ankit Das¹, Chandan Gautam², Pritee Agrawal, Feng Yang, Yong Liu, Ramasamy Savitha</i> <i>Presenter: Ramasamy Savitha, Institute for Infocomm Research (I2R), Agency for Science, Technology and Research (A*STAR), Singapore</i>
3003	Poster Session 5	C245 (Fri-PM)	Holistic White-light Polyp Classification via Alignment-free Dense Distillation of Auxiliary Optical Chromoendoscopy <i>Authors: Qiang Hu, Qimei Wang, Jia Chen, Xuanta Ji, Mei Liu, Qiang Li, Zhiwei Wang</i> <i>Presenter: Qiang Hu, Huazhong University of Science and Technology, China</i>
3005	Poster Session 1	B206 (Wed-PM)	Anatomy-Aware Frequency-Attention Transformer Networks for Liver Couinaud CT/MR Segmentation <i>Authors: Wenkang Fan, Hao Fang, Rui Li, Yanduan Lin, Chao An, Xiongbiao Luo</i> <i>Presenter: Wenkang Fan, Xiamen University, China</i>
3007	Poster Session 2	B162 (Thu-AM)	Noisy Label Refinement Based on Discrete Diffusion Process in 3D Ossicle Segmentation <i>Authors: Linqian Fan, Mengshi Zhang, Yonghao Wang, Wenkai Lu, Hongxia Yin</i>

			<i>Presenter: Linqian Fan, Tsinghua university, China</i>
3012	Poster Session 2	B167 (Thu-AM)	Cost-effective Active Learning for Nucleus Detection Using Crowdsourced Annotations with Dynamic Weighting Adjustment <i>Authors: Jiao Tang, Yuankun Zu, Qi Zhu, Peng Wan, Daoqiang Zhang, Wei Shao</i> <i>Presenter: Jiao Tang, Nanjing University of Aeronautics and Astronautics, China</i>
3014	Poster Session 4	B154 (Fri-AM)	World Model for AI Autonomous Navigation in Mechanical Thrombectomy <i>Authors: Harry Robertshaw, Han-Ru Wu, Alejandro Granados, Thomas C. Booth</i> <i>Presenter: Harry Robertshaw, King's College London, United Kingdom</i>
3015	Poster Session 5	C25 (Fri-PM)	SAMUSA: Segment Anything Model 2 for UltraSound Annotation <i>Authors: Baptiste Podvin, Toby Collins, Günther Saibro, Chiara Innocenzi, Yuchuan Yang, Flavio Milana, Yvonne Keeza, Grace Ufitinema, Florian Ujemurwego, Guido Torzilli, Jacques Marescaux, Daniel George, Alexandre Hostettler,</i> <i>Presenter: Baptiste Podvin, IRCAD France, France</i>
3018	Poster Session 5	C255 (Fri-PM)	Targeted False Positive Synthesis via Detector-guided Adversarial Diffusion Attacker for Robust Polyp Detection <i>Authors: Quan Zhou, Gan Luo, Qiang Hu, Qingyong Zhang, Jinhua Zhang, Yinjiao Tian, Qiang Li, Zhiwei Wang</i> <i>Presenter: Gan Luo, Wuhan University of Technology, China</i>
3040	Poster Session 1	C331 (Wed-PM)	Radar-Based Imaging for Sign Language Recognition in Medical Communication <i>Authors: Raffaele Mineo, Gaia Caligiore, Federica Proietto Salanitri, Isaak Kavasidis, Senya Polikovsky, Sabina Fontana, Egidio Ragonese, Concetto Spampinato, Simone Palazzo</i> <i>Presenter: Raffaele Mineo, University of Catania, Italy</i>
3042	Poster Session 4	A199 (Fri-AM)	T2I-Diff: fMRI Signal Generation via Time-Frequency Image Transform and Classifier-Free Denoising Diffusion Models <i>Authors: Hwa Hui Tew, Junn Yong Loo, Yee-Fan Tan, Xinyu Tang, Hernando Ombao, Fuad Noman, Raphaël C.-W. Phan, Chee-Ming Ting</i> <i>Presenter: Hwa Hui Tew, Monash University Malaysia, Malaysia</i>
3052	Poster Session 5	C260 (Fri-PM)	Learning Explainable Imaging-Genetics Associations Related to a Neurological Disorder <i>Authors: Jueqi Wang, Zachary Jacokes, John Darrell Van Horn, Michael C. Schatz, Kevin A. Pelphrey, Archana Venkataraman</i> <i>Presenter: Jueqi Wang, Boston University, United States</i>
3060	Poster Session 2	A302 (Thu-AM)	Generative Unsupervised Anomaly Detection with Coarse-Fine Ensemble for Workload Reduction in 3D Non-contrast Brain CT of Emergency Room <i>Authors: Jongjun Won, Jihwan Kim, Joonseo Oh, Yereen Yoo, Jieun Yum, Joonsang Lee, Joon Hyung Park, Wooyoung Jo, Yoojin Nam, Hyunki Lee, Gil-sun Hong, Namkug Kim</i> <i>Presenter: Jongjun Won, Asan Medican Center, Republic of Korea</i>
3061	Poster Session 1	B211 (Wed-PM)	Self-Supervised Multiview Xray Matching <i>Authors: Mohamad Dabboussi, Malo Huard, Yann Gousseau, Pietro Gori</i> <i>Presenter: Mohamad Dabboussi, Milvue - Telecom Paris, France</i>
3065	Poster Session 1	B286 (Wed-PM)	RegScore: Scoring Systems for Regression Tasks <i>Authors: Michal K. Grzeszczyk, Tomasz Szczepański, Pawel Renc, Siyeop Yoon, Jerome Charton, Tomasz Trzciński, Arkadiusz Sitek</i> <i>Presenter: Michal K. Grzeszczyk, Sano Centre for Computational Medicine, Poland</i>
3066	Poster Session 3	B178 (Thu-PM)	Frequency Strikes Back: Boosting Parameter-Efficient Foundation Model Adaptation for Medical Imaging <i>Authors: Son T. Ly, Hien V. Nguyen</i> <i>Presenter: Son Ly, University of Houston, United States</i>

3069	Poster Session 4	A204 (Fri-AM)	Instrument-Splatting: Controllable Photorealistic Reconstruction of Surgical Instruments Using Gaussian Splatting <i>Authors: Shuojue Yang, Zijian Wu, Mingxuan Hong, Qian Li, Daiyun Shen, Septimiu E. Salcudean, Yueming Jin</i> <i>Presenter: Shuojue Yang, National University of Singapore, Singapore</i>
3070	Poster Session 4	A209 (Fri-AM)	Cascaded 3D Diffusion Models for Whole-body 3D 18-F FDG PET/CT synthesis from Demographics <i>Authors: Siyeop Yoon, Sifan Song, Pengfei Jin, Matthew Tivnan, Yujin Oh, Sekeun Kim, Dufan Wu, Xiang Li, Quanzheng Li</i> <i>Presenter: Siyeop Yoon, Harvard Medical School, United States</i>
3072	Poster Session 5	C265 (Fri-PM)	Semantic Interpolative Diffusion Model: Bridging the Interpolation to Masks and Colonoscopy Image Synthesis for Robust Generalization <i>Authors: Chanyeong Heo, Jaehee Jung</i> <i>Presenter: Chanyeong Heo, Myongji University, Republic of Korea</i>
3082	Poster Session 4	A339 (Fri-AM)	Accelerated Free-Breathing 5D Multi-Echo Respiratory Motion-Resolved R2*, PDFF, and QSM Using Novel Composite Total Variation <i>Authors: MungSoo Kang, Or Alus, Youngwook Kee</i> <i>Presenter: Youngwook Kee, Stony Brook University, United States</i>
3102	Poster Session 1	C336 (Wed-PM)	Semantic-Aware Chest X-ray Report Generation with Domain-Specific Lexicon and Diversity-Controlled Retrieval <i>Authors: Baochang Zhang, Chen Jia, Shuting Liu, Heribert Schunkert, Nassir Navab</i> <i>Presenter: Baochang Zhang, Technical University of Munich, Germany</i>
3104	Poster Session 3	B283 (Thu-PM)	HA-SAM: Hierarchically Adapting SAM for Nerve Segmentation in Ultrasound Images <i>Authors: Zihao Peng, Susu Kang, Xuping Huang, Xucheng Xiang, Gengyu He, Tianzhu Liu, Wei Mei, Shan Tan</i> <i>Presenter: Shan Tan, Huazhong University of Science and Technology, China</i>
3113	Poster Session 2	C52 (Thu-AM)	Fit Pixels, Get Labels: Meta-Learned Implicit Networks for Image Segmentation <i>Authors: Kushal Vyas, Ashok Veeraraghavan, Guha Balakrishnan</i> <i>Presenter: Kushal Vyas, Rice University, United States</i>
3121	Poster Session 2	A127 (Thu-AM)	An Anatomical Significance-Aware Architecture for Explainable Myocardial Infarction Prediction via Multi-Task Learning <i>Authors: Jiachuan Peng, Marcel Beetz, Abhirup Banerjee, Min Chen, Vicente Grau</i> <i>Presenter: Jiachuan Peng, University of Oxford, United Kingdom</i>
3125	Poster Session 5	A340 (Fri-PM)	MOSCARD - Multimodal Opportunistic Screening for Cardiovascular Adverse events with Causal Reasoning and De-confounding <i>Authors: Jialu Pi, Juan Maria Farina, Rimita Lahiri, Jiwoong Jeong, Archana Gurudu, Hyung-Bok Park, Chieh-Ju Chao, Chadi Ayoub, Reza Arsanjani, Imon Banerjee</i> <i>Presenter: Jialu Pi, Arizona State University, United States</i>
3127	Poster Session 5	B205 (Fri-PM)	Hyperbolic Kernel GCN with Structure-Function Connectivity Coupling for Neurocognitive Impairment Analysis <i>Authors: Meimei Yang, Yongheng Sun, Qianqian Wang, Wei Wang, Hong-Jun Li, Mingxia Liu</i> <i>Presenter: Qianqian Wang, University of North Carolina at Chapel Hill, United States</i>
3129	Poster Session 4	B159 (Fri-AM)	Semantic Scene Graph for Ultrasound Image Explanation and Scanning Guidance <i>Authors: Xuesong Li, Danyang Huang, Yameng Zhang, Nassir Navab, Zhongliang Jiang</i> <i>Presenter: Xuesong Li, Technical University of Munich, Germany</i>
3136	Poster Session 4	A154 (Fri-AM)	Adaptive Frame Selection for Gestational Age Estimation from Blind Sweep Fetal Ultrasound Videos <i>Authors: Tanya Akumu, Marawan Elbatel, Victor M. Campello, Richard Osuala, Carlos Martin-Isla, Ignacio Valenzuela, Xiaomeng Li, Bishesh Khanal, Karim Lekadir</i>

			<i>Presenter: Tanya Akumu, University of Barcelona, Spain</i>
3137	Poster Session 4	A214 (Fri-AM)	Physics-Informed Implicit Neural Representations for Joint B0 Estimation and Echo Planar Imaging <i>Authors: Wenqi Huang, Nan Wang, Congyu Liao, Yimeng Lin, Mengze Gao, Daniel Rueckert, Kawin Setsompop</i> <i>Presenter: Wenqi Huang, Technical University of Munich, Germany</i>
3144	Poster Session 4	A219 (Fri-AM)	Real Super-Resolution for Proximal Femur: Enhanced Computation of Structural Bone Metrics from Clinical CTs <i>Authors: Niklas C. Koser, Marten J. Finck, Felix N. von Brackel, Benjamin Ondruschka, Sören Pirk, Claus-C. Glüer</i> <i>Presenter: Niklas C. Koser, Kiel University and University Hospital Schleswig-Holstein, Germany</i>
3145	Poster Session 3	C303 (Thu-PM)	PTCMIL: Multiple Instance Learning via Prompt Token Clustering for Whole Slide Image Analysis <i>Authors: Beidi Zhao, SangMook Kim, Hao Chen, Chen Zhou, Zu-hua Gao, Gang Wang, Xiaoxiao Li</i> <i>Presenter: Beidi Zhao, The University of British Columbia, Canada</i>
3156	Poster Session 4	A224 (Fri-AM)	Multifrequency Neural Network-based Wave Inversion in MR Elastography <i>Authors: Héloïse Bustin, Tom Meyer, Jakob Jordan, Lars Walczak, Heiko Tzschätzsch, Ingolf Sack, Anja Hennemuth</i> <i>Presenter: Héloïse Bustin, Charité - Universitätsmedizin Berlin, Germany</i>
3160	Poster Session 3	B288 (Thu-PM)	Active Source-Free Cross-Domain and Cross-Modality Adaptation for Volumetric Medical Image Segmentation by Image Sensitivity and Organ Heterogeneity Sampling <i>Authors: Jin Yang, Xiaobing Yu, Peijie Qiu, Daniel Marcus, Aristeidis Sotiras</i> <i>Presenter: Aristeidis Sotiras, Washington University School of Medicine in St. Louis, United States</i>
3165	Poster Session 5	C5 (Fri-PM)	Mamba Guided Boundary Prior Matters: A New Perspective for Generalized Polyp Segmentation <i>Authors: Tapas K. Dutta, Snehashis Majhi, Deepak Ranjan Nayak, Debesh Jha</i> <i>Presenter: Deepak Ranjan Nayak, Malaviya National Institute of Technology Jaipur, India</i>
3166	Poster Session 2	A92 (Thu-AM)	Patient-specific radiomic feature selection with reconstructed healthy persona of knee MR images <i>Authors: Yaxi Chen, Simin Ni, Shaheer U. Saeed, Aleksandra Ivanova, Rikin Hargunani, Jie Huang, Chaozong Liu, Yipeng Hu</i> <i>Presenter: Yaxi Chen, University College London, United Kingdom</i>
3175	Poster Session 2	A87 (Thu-AM)	Unpaired Multi-Site Brain MRI Harmonization with Image Style-Guided Latent Diffusion <i>Authors: Mengqi Wu, Minhui Yu, Weili Lin, Pew-Thian Yap, Mingxia Liu</i> <i>Presenter: Qianqian Wang, University of North Carolina at Chapel Hill, United States</i>
3177	Poster Session 3	C308 (Thu-PM)	Cross-Modal CXR-CTPA Knowledge Distillation using latent diffusion priors towards CXR Pulmonary Embolism Diagnosis <i>Authors: Noa Cahan, Meshi Sizikov, Hayit Greenspan</i> <i>Presenter: Noa Cahan, Tel Aviv University, Israel</i>
3185	Poster Session 1	A181 (Wed-PM)	Text-Guided Multi-Instance Learning for Scoliosis Screening via Gait Video Analysis <i>Authors: Haiqing Li, Yuzhi Guo, Feng Jiang, Thao M. Dang, Hehuan Ma, Qifeng Zhou, Jean Gao, Junzhou Huang</i> <i>Presenter: Junzhou Huang, The University of Texas at Arlington, United States</i>
3192	Poster Session 2	A97 (Thu-AM)	Fine-tuning Vision Language Models with Graph-based Knowledge for Explainable Medical Image Analysis <i>Authors: Chenjun Li, Laurin Lux, Alexander H. Berger, Martin J. Menten, Mert R. Sabuncu, Johannes C. Paetzold</i>

			<i>Presenter: Johannes Paetzold, Weill Cornell Medicine, United States</i>
3193	Poster Session 1	B6 (Wed-PM)	A Holistic Time-Aware Classification Model for Multimodal Longitudinal Patient Data <i>Authors: Tobias Susetzky, Huaqi Qiu, Rickmer Braren, Daniel Rueckert</i> <i>Presenter: Tobias Susetzky, Technical University of Munich, Germany</i>
3197	Poster Session 3	C313 (Thu-PM)	Temporal Representation Learning of Phenotype Trajectories for pCR Prediction in Breast Cancer <i>Authors: Ivana Janíčková, Yen Y. Tan, Thomas H. Helbich, Konstantin Miloserdov, Zsuzsanna Bago-Horvath, Ulrike Heber, Georg Langs</i> <i>Presenter: Ivana Janíčková, Medical University of Vienna, Austria</i>
3200	Poster Session 2	A102 (Thu-AM)	This EEG Looks Like These EEGs: Interpretable Interictal Epileptiform Discharge Detection With ProtoEEG-kNN <i>Authors: Dennis Tang, Jon Donnelly, Alina Jade Barnett, Lesia Semenova, Jin Jing, Peter Hadar, Ioannis Karakis, Olga Selioutski, Kehan Zhao, M. Brandon Westover, Cynthia Rudin</i> <i>Presenter: Dennis Tang, Duke University, United States</i>
3215	Poster Session 3	B278 (Thu-PM)	FedCLAM: Client Adaptive Momentum with Foreground Intensity Matching for Federated Medical Image Segmentation <i>Authors: Vasilis Siomos, Jonathan Passerat-Palmbach, Giacomo Tarroni</i> <i>Presenter: Vasilis Siomos, City St. George's, University of London, United Kingdom</i>
3217	Poster Session 3	C318 (Thu-PM)	Investigating Voxel-level Brain Age Prediction as a Pretext Task for Brain MRI Segmentation <i>Authors: Tasneem Nasser, Roberto Souza, Naser El-Sheimy</i> <i>Presenter: Tasneem Nasser, University of Calgary, Canada</i>
3223	Poster Session 4	A229 (Fri-AM)	LDDMem: Large Deformation Diffeomorphic Metric Embedding Decoupling Shape Analysis from Image Registration <i>Authors: Greg M. Fleishman, P. Thomas Fletcher</i> <i>Presenter: Greg M. Fleishman, Howard Hughes Medical Institute, Janelia Research Campus, United States</i>
3226	Poster Session 3	C38 (Thu-PM)	Dynamic Function-Structure Connectivity Coupling for Predicting Progression Trajectories in Neurocognitive Decline <i>Authors: Qianqian Wang, Wei Wang, Hong-Jun Li, Weili Lin, Mingxia Liu</i> <i>Presenter: Qianqian Wang, The University of North Carolina at Chapel Hill, United States</i>
3227	Poster Session 3	B293 (Thu-PM)	Unleashing SAM for Few-Shot Medical Image Segmentation with Dual-Encoder and Automated Prompting <i>Authors: Cuong M. Pham, Phi Le Nguyen, Thanh Trung Nguyen, Minh Hieu Phan, Binh P. Nguyen</i> <i>Presenter: Binh Nguyen, Victoria University of Wellington, New Zealand</i>
3228	Poster Session 1	B216 (Wed-PM)	Time-Contrastive Pretraining for In-Context Image and Video Segmentation <i>Authors: Assefa Wahd, Jacob Jaremko, Abhilash Hareendranathan</i> <i>Presenter: Assefa Wahd, University of Alberta, Canada</i>
3245	Poster Session 4	A234 (Fri-AM)	OsteoOpt: A Bayesian Optimization Framework for Enhancing Bone Union Likelihood in Mandibular Reconstruction Surgery <i>Authors: Hamidreza Aftabi, John E. Lloyd, Amanda Ding, Benedikt Sagl, Eitan Prisman, Antony Hodgson, Sidney Fels</i> <i>Presenter: Hamidreza Aftabi, University of British Columbia, Canada</i>
3259	Poster Session 2	A312 (Thu-AM)	Harnessing EHRs for Diffusion-based Anomaly Detection on Chest X-rays <i>Authors: Harim Kim, Yuhan Wang, Minkyu Ahn, Heeyoul Choi, Yuyin Zhou, Charmgil Hong</i> <i>Presenter: Harim Kim, Handong Global University, Republic of Korea</i>
3267	Poster Session 1	A336	MedVLM-R1: Incentivizing Medical Reasoning Capability of Vision-Language Models (VLMs) via Reinforcement Learning

		(Wed-PM)	<i>Authors: Jiazhen Pan, Che Liu, Junde Wu, Fenglin Liu, Jiayuan Zhu, Hongwei Bran Li, Chen Chen, Cheng Ouyang, Daniel Rueckert</i> <i>Presenter: Jiazhen Pan, Technical University of Munich, Germany</i>
3273	Poster Session 1	A341 (Wed-PM)	DualPrompt-MedCap: A Dual-Prompt Enhanced Approach for Medical Image Captioning <i>Authors: Yining Zhao, Mukesh Prasad, Ali Braytee</i> <i>Presenter: Yining Zhao, The University of Technology Sydney, Australia</i>
3276	Poster Session 1	A351 (Wed-PM)	BiasICL: In-Context Learning and Demographic Biases of Vision Language Models <i>Authors: Sonnet Xu, Joseph D. Janizek, Yixing Jiang, Roxana Daneshjou</i> <i>Presenter: Sonnet Xu, Stanford University, United States</i>
3277	Poster Session 3	B303 (Thu-PM)	Test-Time Training with Local Contrast- Preserving Copy-Pasted Image for Domain Generalization in Retinal Vessel Segmentation <i>Authors: Yuliang Gu, Zhichao Sun, Zelong Liu, Yongchao Xu</i> <i>Presenter: Yuliang Gu, Wuhan University, China</i>
3281	Poster Session 2	A307 (Thu-AM)	MoDiff: A Morphology-Emphasized Diffusion Model for Ambiguous Medical Image Segmentation <i>Authors: Jung Su Ahn, Ki Hoon Kwak, Jung Woo Seo, Young-Rae Cho</i> <i>Presenter: Ki Hoon Kwak, Yonsei University, Republic of Korea</i>
3287	Poster Session 2	A287 (Thu-AM)	CT-Based Hippocampus Segmentation with Dual-Decoder Network (HDD-Net) <i>Authors: Wonjun Son, Ji Young Lee, Sung Jun Ahn, Hyunyeol Lee</i> <i>Presenter: Wonjun Son, Kyungpook National University, Republic of Korea</i>
3289	Poster Session 5	B320 (Fri-PM)	A Novel Streamline-based diffusion MRI Tractography Registration Method with Probabilistic Keypoint Detection <i>Authors: Junyi Wang, Mubai Du, Ye Wu, Yijie Li, William M. Wells III, Lauren J. O'Donnell, Fan Zhang</i> <i>Presenter: Junyi Wang, University of Electronic Science and Technology of China, China</i>
3296	Poster Session 3	B308 (Thu-PM)	Robust Fetal Pose Estimation across Gestational Ages via Cross-Population Augmentation <i>Authors: Sebastian Diaz, Benjamin Billot, Neel Dey, Molin Zhang, Esra Abaci Turk, P. Ellen Grant, Polina Golland, Elfar Adalsteinsson</i> <i>Presenter: Sebastian Diaz, Massachusetts Institute of Technology, United States</i>
3297	Poster Session 5	C270 (Fri-PM)	Automated Auditing of Upper Endoscopy Procedure Times: A Temporal Multiclass Analysis <i>Authors: Diego Bravo, Josué Ruano, Martín Gómez, Fabio A. González, Eduardo Romero</i> <i>Presenter: Diego Bravo, Universidad Nacional de Colombia, Colombia</i>
3305	Poster Session 1	A176 (Wed-PM)	BaMCo: Balanced Multimodal Contrastive Learning for Knowledge-Driven Medical VQA <i>Authors: Ziya Ata Yazıcı, Hazım Kemal Ekenel</i> <i>Presenter: Ziya Ata Yazıcı, Istanbul Technical University, Turkey</i>
3308	Poster Session 1	A186 (Wed-PM)	RadAlign: Advancing Radiology Report Generation with Vision-Language Concept Alignment <i>Authors: Difei Gu, Yunhe Gao, Yang Zhou, Mu Zhou, Dimitris Metaxas</i> <i>Presenter: Difei Gu, Rutgers University, United States</i>
3311	Poster Session 1	A86 (Wed-PM)	Structure-Aware Cross-Modal Prompt Tuning for Autonomous Bronchoscopic Navigation <i>Authors: Hao Fang, Zhuo Zeng, Jianwei Yang, Wenkang Fan, Xiongbiao Luo</i> <i>Presenter: Hao Fang, Xiamen University, China</i>
3315	Poster Session 3	A248 (Thu-PM)	Contrastive Disentanglement Learning Framework for Multi-lead Wearable ECG Denoising <i>Authors: Yue Zhang, Chenyu Zhao, Wen Zhang, Jinliang Wang, Jun Guo, Wei Yang, Qianjin Feng</i>

			<i>Presenter: Yue Zhang, Southern Medical University, China</i>
3318	Poster Session 5	C275 (Fri-PM)	FViM: Frequency Vision Mamba for Label-Free Cell Death Pathway Prediction in Lung Cancer Chemotherapy <i>Authors: Zhaoyi Ye, Shubin Wei, Liye Mei, Yueyun Weng, Qing Geng, Du Wang, Cheng Lei</i> <i>Presenter: Zhaoyi Ye, Wuhan University, China</i>
3319	Poster Session 1	A191 (Wed-PM)	Dia-LLaMA: Towards Large Language Model-driven CT Report Generation <i>Authors: Zhixuan Chen, Luyang Luo, Yequan Bie, Hao Chen</i> <i>Presenter: Zhixuan Chen, The Hong Kong University of Science and Technology, China</i>
3325	Poster Session 5	C280 (Fri-PM)	RefineNet: Elevating Medical Foundation Models through Quality-Centric Data Curation by MLLM-Annotated Proxy Distillation <i>Authors: Ningyi Zhang, Yuan Gao, Xin Wang, Ka-Hou Chan, Jian Wu, Chan-Tong Lam, Shanshan Wang, Yue Sun, Sio-Kei Im, Tao Tan</i> <i>Presenter: Ningyi Zhang, Macao Polytechnic University, Macao SAR</i>
3330	Poster Session 5	B315 (Fri-PM)	Causality-Inspired Graph Neural Network for Interpretable Strabismus Subtype Classification <i>Authors: Jiawen Zheng, Li Luo, Jiafan Zhuang, Peiwei Wei, Lihao Zhong, Xiaoling Xie, Jinming Guo, Meng Xie, Xiaoli Kang, Jie Cen, Lingyan Dong, Ce Zheng, Zhun Fan</i> <i>Presenter: Jiawen Zheng, Shantou University, China</i>
3331	Poster Session 4	A239 (Fri-AM)	EFMS-Net: Efficient Frequency-Enhanced Multi-Scale Network for Ischemic Stroke Segmentation <i>Authors: Jie Yang, Shaowei Shen, Xuwei Fan, Ning Chen, Zhibin Gao, Lianfen Huang, Yihong Zhan</i> <i>Presenter: Jie Yang, Xiamen University, China</i>
3332	Poster Session 5	C285 (Fri-PM)	STMDiff: Spatiotemporal Matching Diffusion Model for Dual-Time-Point Total-body PET/CT Imaging via Contrastive Learning <i>Authors: Wenbo Li, Zhenxing Huang, Lianghua Li, Chunyan Yang, Yihan Wang, Wenjian Qin, Na Zhang, Hairong Zheng, Dong Liang, Jianjun Liu, Zhanli Hu</i> <i>Presenter: Wenjian Qin, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China</i>
3338	Poster Session 3	B313 (Thu-PM)	Domain Generalization for Mammogram Classification by Suppressing Domain-Specific Features <i>Authors: Jiqun Chen, Luhao Sun, Wenzong Jiang, Weifeng Liu, Chao Li, Zhiyong Yu, Baodi Liu</i> <i>Presenter: Jiqun Chen, China University of Petroleum (East China), China</i>
3339	Poster Session 4	A139 (Fri-AM)	Enhancing Soft Tissue Sarcoma Classification by Mitigating Patient-Specific Bias in Whole Slide Images <i>Authors: Weiping Lin, Runchen Zhu, Wentai Hou, Jiacheng Wang, Yixuan Lin, Rui Chen, Na Ta, Liansheng Wang</i> <i>Presenter: Weiping Lin, Xiamen University, China</i>
3344	Poster Session 1	A196 (Wed-PM)	SPEC-CXR: Advancing Clinical Safety through Entity-Level Performance Evaluation of Chest X-ray Report Generation <i>Authors: Jung Oh Lee, Junwoo Cho, Junha Kim, Laurent Dillard, Tom van Sonsbeek, Arnaud A. A. Setio, Hyeonsoo Lee, Donggeun Yoo, Taesoo Kim</i> <i>Presenter: Junwoo Cho, Lunit. Inc, Republic of Korea</i>
3347	Poster Session 1	B221 (Wed-PM)	EEG-DINO: Learning EEG Foundation Models via Hierarchical Self-Distillation <i>Authors: Xujia Wang, Xuhui Liu, Xi Liu, Qian Si, Zhaoliang Xu, Yang Li, Xiantong Zhen</i> <i>Presenter: Xujia Wang, United Imaging Healthcare, Co., Ltd, China</i>
3372	Poster Session 1	A126 (Wed-PM)	Towards Patient-Specific Deformable Registration in Laparoscopic Surgery <i>Authors: Alberto Neri, Nazim Haouchine, Veronica Penza, Leonardo S. Mattos</i> <i>Presenter: Alberto Neri, Istituto Italiano di Tecnologia, Italy</i>

3380	Poster Session 2	B237 (Thu-AM)	Uncertainty-Aware Multi-Expert Knowledge Distillation for Imbalanced Disease Grading <i>Authors: Shuo Tong, Shangde Gao, Ke Liu, Zihang Huang, Hongxia Xu, Haochao Ying, Jian Wu</i> <i>Presenter: Shuo Tong, Zhejiang University, China</i>
3384	Poster Session 3	B318 (Thu-PM)	ISAC: Redefining the Vascular Segmentation Paradigm through Mask Completion for Cross-Domain Generalization <i>Authors: Tianyu Zhao, Zihang Huang, Xixi Jiang, Liang Zhang, Xiaohuan Ding, Xin Yang</i> <i>Presenter: Tianyu Zhao, Huazhong University of Science and Technology, China</i>
3394	Poster Session 2	A282 (Thu-AM)	STEAM: Self-supervised TEeth Analysis and Modeling for Point Cloud Segmentation <i>Authors: Yifan Liu, Chen Yang, Weihao Yu, Xinyu Liu, Hui Chen, Max Q.-H. Meng, Yixuan Yuan</i> <i>Presenter: Yifan Liu, The Chinese University of Hong Kong, China</i>
3402	Poster Session 4	A244 (Fri-AM)	Q-space Guided Collaborative Attention Translation Network for Flexible Diffusion-Weighted Images Synthesis <i>Authors: Pengli Zhu, Yingji Fu, Nanguang Chen, Anqi Qiu</i> <i>Presenter: Pengli Zhu, Hong Kong Polytechnic University, Hong Kong SAR</i>
3404	Poster Session 5	C290 (Fri-PM)	GE2Hist: Generating Histology Images from Single-cell Gene Expression via Cross-modal Generative Network <i>Authors: Hongmin Cai, Boan Ji, Shangyan Cai, Yi Liao, Jiazhou Chen, Weitian Huang</i> <i>Presenter: Hongmin Cai, South China University of Technology, China</i>
3405	Poster Session 3	C323 (Thu-PM)	VAMPIRE: Uncovering Vessel Directional and Morphological Information from OCTA Images for Cardiovascular Disease Risk Factor Prediction <i>Authors: Lehan Wang, Hualiang Wang, Chubin Ou, Lushi Chen, Yunyi Liang, Xiaomeng Li</i> <i>Presenter: Lehan Wang, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
3411	Poster Session 5	B215 (Fri-PM)	MMBNA: Masked Multiview Brain Network Analysis via Disentangling for Alzheimer's Early Diagnosis with fMRI <i>Authors: Dequan Meng, Jie Guo, Junze Wang, Xiaoming Xi, Lishan Qiao, Limei Zhang, Mingxia Liu</i> <i>Presenter: Dequan Meng, Shandong Jianzhu University, China</i>
3415	Poster Session 3	A253 (Thu-PM)	Blind Restoration of High-Resolution Ultrasound Video <i>Authors: Chu Chen, Kangning Cui, Pasquale Cascarano, Wei Tang, Elena Loli Piccolomini, Raymond H. Chan</i> <i>Presenter: Chu Chen, City University of Hong Kong, Hong Kong SAR</i>
3436	Poster Session 3	C328 (Thu-PM)	Deep Knowledge-Infused Transformer for NSCLC Lymph Node Station Metastasis Prediction: Development of an AI-Powered Intraoperative Decision System <i>Authors: Jie Zhao, Zifan Chen, Guangzhengao Yang, Yijiang He, Li Zhang, Bin Dong</i> <i>Presenter: Jie Zhao, Peking University, China</i>
3438	Poster Session 5	A115 (Fri-PM)	Anatomical Graph-based Multilevel Distillation for Robust Alzheimer's Disease Diagnosis with Missing Modalities <i>Authors: Fei Liu, Huabin Wang, Mohamed Hisham Jaward, Shiuan-Ni Liang, Huey Fang Ong, Jiayuan Cheng</i> <i>Presenter: Fei Liu, Monash University Malaysia, Malaysia</i>
3439	Poster Session 5	A125 (Fri-PM)	Semi-Supervised Multi-Modal Medical Image Segmentation for Complex Situations <i>Authors: Dongdong Meng, Sheng Li, Hao Wu, Guoping Wang, Xueqing Yan</i> <i>Presenter: Dongdong Meng, Peking University, China</i>
3460	Poster Session 2	C7	MixStyleFlow: Domain Generalization in Medical Image Segmentation using Normalizing Flows

		(Thu-AM)	<i>Authors: Reza Safdari, Mohammad-Ali Nikouei Mahani, Mohamad Koohi-Moghadam, Kyongtae Tyler Bae</i> <i>Presenter: Mohamad Koohi-Moghadam, The University of Hong Kong, Hong Kong SAR</i>
3485	Poster Session 4	A249 (Fri-AM)	A Unified Continuous Staging Framework for Alzheimer's Disease and Lewy Body Dementia via Hierarchical Anatomical Features <i>Authors: Tong Chen, Minheng Chen, Jing Zhang, Yan Zhuang, Chao Cao, Xiaowei Yu, Yanjun Lyu, Lu Zhang, Li Su, Tianming Liu, Dajiang Zhu</i> <i>Presenter: Tong Chen, University of Texas at Arlington, United States</i>
3495	Poster Session 4	B169 (Fri-AM)	EndoFlow-SLAM: Real-Time Endoscopic SLAM with Flow-Constrained Gaussian Splatting <i>Authors: Taoyu Wu, Yiyi Miao, Zhuoxiao Li, Haocheng Zhao, Kang Dang, Jionglong Su, Limin Yu, Haoang Li</i> <i>Presenter: Taoyu Wu, Xi'an Jiaotong-Liverpool University, China</i>
3504	Poster Session 3	C33 (Thu-PM)	Contrastive Masked Video Modeling for Coronary Angiography Diagnosis <i>Authors: Zhiming Shao, Yingqian Zhang, Zechen Wei, Yong Ge, Chen Wang, Guodong Ding, Lei Gao, Liwei Zhang, Yundai Chen, Jie Tian, Hui Hui</i> <i>Presenter: Zhiming Shao, Key Laboratory of Molecular Imaging, Institute of Automation, Chinese Academy of Sciences, China</i>
3514	Poster Session 3	A368 (Thu-PM)	Neuro-AMS: Neuro-informed Age-aware and Medical Knowledge-integrated Strategy for Diagnosis of Multiple Brain Disorders <i>Authors: Zhenguo Zhang, Lin Teng, Nan Zhao, Yuxiao Liu, Zhaoyu Qiu, Zehao Weng, Jinwei Kong, Feng Shi, Dinggang Shen</i> <i>Presenter: Zhenguo Zhang, ShanghaiTech University, China</i>
3517	Poster Session 5	A170 (Fri-PM)	ReCo-I2P: An Incomplete Supervised Lymph Node Segmentation Framework Based on Orthogonal Partial-instance Annotation <i>Authors: Litingyu Wang, Ping Ye, Wenjun Liao, Shichuan Zhang, Shaoting Zhang, Guotai Wang</i> <i>Presenter: Litingyu Wang, University of Electronic Science and Technology of China, China</i>
3526	Poster Session 1	A201 (Wed-PM)	Phrase-grounded Fact-checking for Automatically Generated Chest X-ray Reports <i>Authors: Razi Mahmood, Diego Machado-Reyes, Joy Wu, Parisa Kaviani, Ken C.L. Wong, Niharika D'Souza, Mannudeep Kalra, Ge Wang, Pingkun Yan, Tanveer Syeda-Mahmood</i> <i>Presenter: Razi Mahmood, Rensselaer Polytechnic Institute, United States</i>
3529	Poster Session 1	A91 (Wed-PM)	Sparsely Annotated Medical Image Segmentation via Cross-SAM of 3D and 2D Networks <i>Authors: Huaqiang Su, Zaiyi Liu, Lisha Yao, Sunyun Li, Hun Lin, Guoliang Chen, Xin Chen, Haijun Lei, Baiying Lei</i> <i>Presenter: Huaqiang Su, Shenzhen University, China</i>
3531	Poster Session 4	A254 (Fri-AM)	ReSeg-UNet: A Reconstruction-Guided Optimization Framework for Enhanced Medical Image Segmentation <i>Authors: Lin Li, Dong Tang, Xiaowen Chu, Xiaofei Yang, Fei Yu</i> <i>Presenter: Lin Li, Guangzhou University, China</i>
3536	Poster Session 3	A363 (Thu-PM)	Multi-Modal Progressive Fusion for ASD Screening Using Smartphone Video <i>Authors: Wenqi Zhong, Bohan Li, Chen Xia, Kuan Li, Dingwen Zhang</i> <i>Presenter: Chen Xia, Northwestern Polytechnical University, China</i>
3542	Poster Session 3	B323 (Thu-PM)	MAUP: Training-free Multi-center Adaptive Uncertainty-aware Prompting for Cross-domain Few-shot Medical Image Segmentation <i>Authors: Yazhou Zhu, Haofeng Zhang</i> <i>Presenter: Yazhou Zhu, Nanjing University of Science and Technology, China</i>
3549	Poster Session 1	B226	Diffusion-based Virtual Staining from Polarimetric Mueller Matrix Imaging

		(Wed-PM)	<i>Authors: Xiaoyu Zheng, Jing Wen, Jiaxin Zhuang, Yao Du, Jing Cong, Limei Guo, Lin Luo, Chao He, Hao Chen</i> <i>Presenter: Xiaoyu Zheng, Hong Kong University of Science and Technology, Hong Kong SAR</i>
3559	Poster Session 2	A262 (Thu-AM)	Region-Based Text-Consistent Augmentation for Multimodal Medical Segmentation <i>Authors: Kunyan Cai, Chenggang Yan, Min He, Liangqiong Qu, Shuai Wang, Tao Tan</i> <i>Presenter: Kunyan Cai, Macao Polytechnic University, Macao SAR</i>
3564	Poster Session 3	B228 (Thu-PM)	Sparsely Labeled fMRI Data Denoising with Meta-Learning-Based Semi-Supervised Domain Adaptation <i>Authors: Keun-Soo Heo, Ji-Wung Han, Soyeon Bak, Minjoo Lim, Bogyeong Kang, Sang-Jun Park, Weili Lin, Han Zhang, Dinggang Shen, Tae-Eui Kam</i> <i>Presenter: Keun-Soo Heo, Korea University, Republic of Korea</i>
3573	Poster Session 3	B328 (Thu-PM)	Addressing Label Scarcity and Domain Shift in Medical Image Segmentation <i>Authors: Suruchi Kumari, Pravendra Singh</i> <i>Presenter: Suruchi Kumari, Indian Institute of Technology Roorkee, India</i>
3576	Poster Session 2	A317 (Thu-AM)	Aorta Multi-class Segmentation via Anatomically Constrained Plane Detection <i>Authors: Jonghoon An, Dong Hyun Lee, So Hyun Kim, Taejin Moon, Minyoung Chung</i> <i>Presenter: Jonghoon An, Soongsil University, Republic of Korea</i>
3578	Poster Session 4	B239 (Fri-AM)	StepAL: Step-aware Active Learning for Cataract Surgical Videos <i>Authors: Nisarg A. Shah, Bardia Safaei, Shameema Sikder, S. Swaroop Vedula, Vishal M. Patel</i> <i>Presenter: Patel Vishal, Johns Hopkins University, United States</i>
3583	Poster Session 1	B231 (Wed-PM)	Meta-Learning Physics-Informed Neural Networks for Personalized Cardiac Modeling <i>Authors: Maryam Toloubidokhti, Ryan Missel, Shichang Lian, Linwei Wang</i> <i>Presenter: Linwei Wang, Rochester Institute of Technology, United States</i>
3594	Poster Session 3	B33 (Thu-PM)	Improving OCTA Imaging through Cross-Domain Adaptation: A Noise-Guided Framework Using Intralipid-Enhanced Rat Data <i>Authors: Bingyu Yang, Bingyao Tan, Zaiwang Gu, Leopold Schmetterer, Huiqi Li, Jun Cheng</i> <i>Presenter: Jun Cheng, Institute for Infocomm Research (I2R), Agency for Science, Technology and Research (A*STAR), Singapore</i>
3613	Poster Session 5	A130 (Fri-PM)	Diffusion-Based User-Guided Data Augmentation for Coronary Stenosis Detection <i>Authors: Sumin Seo, In Kyu Lee, Hyun-Woo Kim, Jaesik Min, Chung-Hwan Jung</i> <i>Presenter: Sumin Seo, Medipixel, Inc., Republic of Korea</i>
3614	Poster Session 1	A206 (Wed-PM)	Multi-Agent Collaboration for Integrating Echocardiography Expertise in Multi-Modal Large Language Models <i>Authors: Yi Qin, Dinusara Sasindu Gamage Nanayakkara, Xiaomeng Li</i> <i>Presenter: Yi Qin, The Hong Kong University of Science and Technology, China</i>
3619	Poster Session 1	B11 (Wed-PM)	Multimodal Fusion Network with Distribution-based Tumor-Marker Imputation for Multi-Origin Metastatic Cervical Lymphadenopathy Classification <i>Authors: Rui Li, Chunyan Li, Xi Lin, Jinfeng Xu, Fang Li, Yao Lu</i> <i>Presenter: Rui Li, Sun Yat-sen University, China</i>
3634	Poster Session 5	C295 (Fri-PM)	HWA-UNETR: Hierarchical Window Aggregate UNETR for 3D Multimodal Gastric Lesion Segmentation <i>Authors: Jiaming Liang, Lihuan Dai, Xiaoqi Sheng, Xiangguang Chen, Chun Yao, Guihua Tao, Qibin Leng, Hongmin Cai, Xi Zhong</i> <i>Presenter: Jiaming Liang, South China University of Technology, China</i>
3635	Poster Session 3	A258	Multi-Level Gated U-Net for Denoising TMR Sensor-Based MCG Signals

		(Thu-PM)	<i>Authors: Zeyu Xing, Hao Li, Hao Dou, Zhong Zheng, Jingguo Dai, Chen Wang, Jian Cui, Xin Zhang, Tianzi Jiang</i> <i>Presenter: Zhong Zheng, Institute of Automation, Chinese Academy of Sciences, China</i>
3637	Poster Session 2	A202 (Thu-AM)	End-to-End 3D Tooth Landmark Detection with Fuzzy Tooth Localization <i>Authors: Kaibo Shi, Hairong Jin, Youyi Zheng</i> <i>Presenter: Kaibo Shi, Zhejiang University, China</i>
3652	Poster Session 3	A308 (Thu-PM)	Predicting Longitudinal Brain Development via Implicit Neural Representations <i>Authors: Maik Dannecker, Daniel Rueckert</i> <i>Presenter: Maik Dannecker, Technical University of Munich, Germany</i>
3656	Poster Session 2	A322 (Thu-AM)	MTCNet: Motion and Topology Consistency Guided Learning for Mitral Valve Segmentation in 4D Ultrasound <i>Authors: Rusi Chen, Yuanting Yang, Jiezhai Yao, Hongning Song, Ji Zhang, Yongsong Zhou, Yuhao Huang, Ronghao Yang, Dan Jia, Yuhan Zhang, Xing Tao, Haoran Dou, Qing Zhou, Xin Yang, Dong Ni</i> <i>Presenter: Rusi Chen, Shenzhen University, China</i>
3657	Poster Session 2	B17 (Thu-AM)	A Hybrid Contrastive Ordinal Regression Method for Advancing Disease Severity Assessment in Imbalanced Medical Datasets <i>Authors: Afsah Saleem, Joshua R. Lewis, Syed Zulqarnain Gilani</i> <i>Presenter: Afsah Saleem, Edith Cowan University, Australia</i>
3660	Poster Session 2	B242 (Thu-AM)	GRASP-PsONet: Gradient-based Removal of Spurious Patterns for Psoriasis Severity Classification <i>Authors: Basudha Pal, Sharif Amit Kamran, Brendon Lutnick, Molly Lucas, Chaitanya Parmar, Asha Patel Shah, David Apfel, Steven Fakharzadeh, Lloyd Miller, Gabriela Cula, Kristopher Standish</i> <i>Presenter: Basudha Pal, Johns Hopkins University, United States</i>
3661	Poster Session 1	A211 (Wed-PM)	Thread the Needle: Genomics-guided Prompt-bridged Attention Model for Survival Prediction of Glioma based on MRI Images <i>Authors: Yi Zhong, Xubin Zheng, Xiongri Shen, Jiaqi Wang, Leilei Zhao, Zhenxi Song, Zhiguo Zhang</i> <i>Presenter: Yi Zhong, Harbin Institute of Technology, China</i>
3668	Poster Session 1	B236 (Wed-PM)	Hierarchical Self-Supervised Adversarial Training for Robust Vision Models in Histopathology <i>Authors: Hashmat Shadab Malik, Shahina Kunhimon, Muzammal Naseer, Fahad Shahbaz Khan, Salman Khan</i> <i>Presenter: Hashmat Shadab Malik, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
3669	Poster Session 1	B241 (Wed-PM)	CATVis: Context-Aware Thought Visualization <i>Authors: Tariq Mehmood, Hamza Ahmad, Muhammad Haroon Shakeel, Murtaza Taj</i> <i>Presenter: Hamza Ahmad, Forman Christian College University, Pakistan</i>
3675	Poster Session 2	B297 (Thu-AM)	T2WI-BCMIC: Non-Fat Saturated T2-Weighted Imaging Dataset for Bladder Cancer Muscle Invasion Classification <i>Authors: Han Huang, Weiyi Chen, Qiuxia Wu, Huanjun Wang, Qian Cai, Yan Guo</i> <i>Presenter: Qiuxia Wu, South China University of Technology, China</i>
3678	Poster Session 4	B134 (Fri-AM)	Frequency-domain Multi-modal Fusion for Language-guided Medical Image Segmentation <i>Authors: Bo Yu, Jianhua Yang, Zetao Du, Yan Huang, Chenglong Li, Liang Wang</i> <i>Presenter: Bo Yu, Anhui University, China</i>
3688	Poster Session 1	A216 (Wed-PM)	Towards Robust Medical Image Referring Segmentation with Incomplete Textual Prompts <i>Authors: Qijie Wang, Xian Lin, Zengqiang Yan</i>

			<i>Presenter: Xian Lin, Huazhong University of Science and Technology, China</i>
3694	Poster Session 2	A327 (Thu-AM)	PFESA: FFT-based Parameter-Free Edge and Structure Attention for Medical Image Segmentation <i>Authors: Mingqian Li, Zhiqian Yan, Miaoning Yan, Yaodong Liang, Qingmao Zhang, Qiongxiang Ma</i> <i>Presenter: Mingqian Li, South China Normal University, China</i>
3695	Poster Session 2	B177 (Thu-AM)	Improving Motor Imagery EEG Signal Quality with Dynamic Visual Cues: An Innovative Paradigm and Dataset <i>Authors: Chenxi Yue, Huawen Hu, Qilong Yuan, Enze Shi, Jiaqi Wang, Kui Zhao, Xuhui Wang, Shu Zhang</i> <i>Presenter: Shu Zhang, Northwestern Polytechnical University, China</i>
3697	Poster Session 5	B220 (Fri-PM)	The Refining of Brain Connectivity Features on Residual Posterior Patterns <i>Authors: Xinbei Zha, Jiaming Zhang, Jin Gu</i> <i>Presenter: Xinbei Zha, Southwest Jiaotong University, China</i>
3708	Poster Session 4	A259 (Fri-AM)	MGG-Net: A Multi-Modal Feature Extraction and Global-Aware Feature Graph-Based Deep Learning Network for MGMT Status Classification in Glioma <i>Authors: Haoyang Liu, Yuwen Zeng, Xiaoyong Zhang, Wentong Zhou, Arata Nagai, Masayuki Kanamori, Hidenori Endo, Noriyasu Homma</i> <i>Presenter: Haoyang Liu, Tohoku University, Japan</i>
3722	Poster Session 1	A96 (Wed-PM)	EndoPlanar: Deformable Planar-based Gaussian Splatting for Surgical Scene Reconstruction <i>Authors: Thatphum Paonim, Chayapon Sasnarukkit, Natawut Nupairoj, Peerapon Vateekul</i> <i>Presenter: Thatphum Paonim, Chulalongkorn University, Thailand</i>
3730	Poster Session 5	B225 (Fri-PM)	Graph-based Neighbor-Aware Network for Gaze-Supervised Medical Image Segmentation <i>Authors: Shaoxuan Wu, Jingkun Chen, Zhuo Jin, Peilin Zhang, Zhizezhang Gao, Jun Feng, Xiao Zhang, Dinggang Shen</i> <i>Presenter: Shaoxuan Wu, Northwest University, China</i>
3740	Poster Session 1	A221 (Wed-PM)	OFF-CLIP: Improving Normal Detection Confidence in Radiology CLIP with Simple Off-Diagonal Term Auto-Adjustment <i>Authors: Junhyun Park, Chanyu Moon, Donghwan Lee, Kyungsu Kim, Minho Hwang</i> <i>Presenter: Junhyun Park, Daegu Gyeongbuk Institute of Science and Technology, Republic of Korea</i>
3748	Poster Session 1	B246 (Wed-PM)	PDF-Net: Prototype-Aware Dynamic Fusion Network for Nasopharyngeal Carcinoma T-staging Classification with Epstein-Barr Virus DNA <i>Authors: Wantong Lu, Xu Han, Yibo Wei, Zanting Ye, Lijun Lu</i> <i>Presenter: Wantong Lu, Southern Medical University, China</i>
3757	Poster Session 5	B230 (Fri-PM)	Graph-PAVNet: A Graph-Based Learning Framework for Pulmonary Artery and Vein Separation Using Multimodal Feature Sampling <i>Authors: Qingya Li, Ye Yuan, Lu Liu, Nan Bao, Lisheng Xu, Wenjun Tan</i> <i>Presenter: Qingya Li, Northeastern University, China</i>
3760	Poster Session 1	B316 (Wed-PM)	DCKAN: A Dual-Coordinate KAN Framework for Fibrous Cap Segmentation on Carotid OCT <i>Authors: Tonghua Wan, Sihan Liu, Yuxin Cai, Shengcai Chen, Yan Wan, Bo Hu, Wu Qiu</i> <i>Presenter: Wu Qiu, Huazhong University of Science and Technology, China</i>
3762	Poster Session 3	A148 (Thu-PM)	BrainAlign: EEG-Vision Alignment via Frequency-Aware Temporal Encoder and Differentiable Cluster Assigner <i>Authors: Enze Shi, Huawen Hu, Qilong Yuan, Kui Zhao, Sigang Yu, Shu Zhang</i> <i>Presenter: Enze Shi, Northwestern Polytechnical University, China</i>
3769	Poster Session 1	A226 (Wed-PM)	ViTexNet: Vision-Text Guided Dynamic Convolution Network for Medical Image Segmentation <i>Authors: Rahul Bhardwaj, Utkarsh Yashwant Tambe, Debanga Raj Neog</i>

			<i>Presenter: Rahul Bhardwaj, Indian Institute of Technology Guwahati, India</i>
3770	Poster Session 2	A132 (Thu-AM)	Uncertainty-Supervised Interpretable and Robust Evidential Segmentation <i>Authors: Yuzhu Li, An Sui, Fuping Wu, Xiahai Zhuang</i> <i>Presenter: An Sui, Fudan University, China</i>
3774	Poster Session 1	B251 (Wed-PM)	Attention-Guided Vector Quantized Variational Autoencoder for Brain Tumor Segmentation <i>Authors: Danish Ali, Ajmal Mian, Naveed Akhtar, Ghulam Mubashar Hassan</i> <i>Presenter: Danish Ali, The University of Western Australia, Australia</i>
3777	Poster Session 4	A264 (Fri-AM)	Forget-MI: Machine Unlearning for Forgetting Multimodal Information in Healthcare Settings <i>Authors: Shahad Hardan, Darya Taratynova, Abdelmajid Essofi, Karthik Nandakumar, Mohammad Yaqub</i> <i>Presenter: Shahad Hardan, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
3778	Poster Session 3	A263 (Thu-PM)	PD-INR: Prior-Driven Implicit Neural Representations for TOF-PET Reconstruction <i>Authors: Yuxuan Long, Yulin Zhang, Hong Wang, Xiaodong Kuang, Hailiang Huang, Fan Rao, Huafeng Liu, Yefeng Zheng, Wentao Zhu</i> <i>Presenter: Yulin Zhang, Zhejiang University, China</i>
3788	Poster Session 1	A231 (Wed-PM)	More performant and scalable: Rethinking contrastive vision-language pre-training of radiology in the LLM era <i>Authors: Yingtai Li, Haoran Lai, Xiaoqian Zhou, Shuai Ming, Wenxin Ma, Wei Wei, S. Kevin Zhou</i> <i>Presenter: Yingtai Li, University of Science and Technology of China, China</i>
3806	Poster Session 3	C233 (Thu-PM)	Attention-Based Multimodal Deep Learning Model for Post-Stroke Motor Impairment Prediction <i>Authors: Rukiye Karakis, Kali Gurkahraman, Georgios D. Mitsis, Marie-Hélène Boudrias</i> <i>Presenter: Rukiye Karakis, Sivas Cumhuriyet University, Turkey</i>
3815	Poster Session 3	A173 (Thu-PM)	Out-of-Distribution Nuclei Segmentation in Histology Imaging via Liquid Neural Networks with Modern Hopfield Layer <i>Authors: Bishal Ranjan Swain, Kyung Joo Cheoi, Jaepil Ko</i> <i>Presenter: Bishal Ranjan Swain, Kumoh National Institute of Technology, Republic of Korea</i>
3827	Poster Session 5	B235 (Fri-PM)	Knowledge-Enhanced Complementary Information Fusion with Temporal Heterogeneous Graph Learning for Disease Prediction <i>Authors: Zongbao Yang, Shihuan He, Zhichen Chen, Hao Zhang, Ruxin Wang</i> <i>Presenter: Zongbao Yang, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China</i>
3839	Poster Session 5	C300 (Fri-PM)	LIP-CAR: a learned inverse problem approach for medical imaging with contrast agent reduction <i>Authors: Davide Evangelista, Elena Morotti, Sonia Colombo Serra, Pengpeng Luo, Giovanni Valbusa, Davide Bianchi</i> <i>Presenter: Elena Morotti, University of Bologna, Italy</i>
3840	Poster Session 4	A269 (Fri-AM)	TRACE: Temporally Reliable Anatomically-Conditioned 3D CT Generation with Enhanced Efficiency <i>Authors: Minye Shao, Xingyu Miao, Haoran Duan, Zeyu Wang, Jingkun Chen, Yawen Huang, Xian Wu, Jingjing Deng, Yang Long, Yefeng Zheng</i> <i>Presenter: Minye Shao, Durham University, United Kingdom</i>
3842	Poster Session 5	C305 (Fri-PM)	DyMAS-Net: Dynamic Multi-Scale Adaptive Sampling Network for Efficient Medical Image Segmentation <i>Authors: Siqi Wang, Qingxue Zhao, Di Wu, Jiakang Gao, Jun Tian</i> <i>Presenter: Jun Tian, Nankai University, China</i>

3852	Poster Session 3	A348 (Thu-PM)	Reconsidering Explicit Longitudinal Mammography Alignment for Enhanced Breast Cancer Risk Prediction <i>Authors: Solveig Thrun, Stine Hansen, Zijun Sun, Nele Blum, Suaiba A. Salahuddin, Kristoffer Wickstrøm, Elisabeth Wetzer, Robert Jenssen, Maik Stille, Michael Kampffmeyer</i> <i>Presenter: Solveig Thrun, UiT The Arctic University of Norway, Norway</i>
3853	Poster Session 4	B179 (Fri-AM)	Asymmetric Matching in Abdominal Lymph Nodes of Follow-up CT Scans <i>Authors: Yiji Mao, Yi Zhang, Xinyu Zou, Yuling Zheng, Hao Huang, Haixian Zhang</i> <i>Presenter: Haixian Zhang, Sichuan University, China</i>
3860	Poster Session 1	B256 (Wed-PM)	Frequency-enhanced Multi-granularity Context Network for Efficient Vertebrae Segmentation <i>Authors: Jian Shi, Tianqi You, Pingping Zhang, Hongli Zhang, Rui Xu, Haojie Li</i> <i>Presenter: Jian Shi, Dalian University of Technology, China</i>
3862	Poster Session 5	C310 (Fri-PM)	Endoscopic Depth-of-Field Expansion via Cascaded Network with Two-streamed Multi-scale Fusion <i>Authors: Xiang Deng, Xing Liu, Tian Xu, Xiaoyue Liu, Tianyuan Gan, Chen Lu, Congcong Zhou, Peng Wang, Yong Lei, Xuesong Ye</i> <i>Presenter: Xiang Deng, Zhejiang University, China</i>
3866	Poster Session 2	B182 (Thu-AM)	Diffusing Boundaries: CBCT-to-CT Translation with Extended Field of View <i>Authors: Quentin Spinat, Audrey Duran, Olivier Teboul, Nikos Paragios, Nikos Komodakis</i> <i>Presenter: Nikos Paragios, Therapanacea, France</i>
3869	Poster Session 1	B261 (Wed-PM)	IKAN: Interactive KAN with Modulation Fusion for Medical Image Segmentation <i>Authors: Sihan Liu, Tonghua Wan, Yuxin Cai, Shengcai Chen, Bo Hu, Yan Wan, Wu Qiu</i> <i>Presenter: Sihan Liu, Huazhong University of Science and Technology, China</i>
3872	Poster Session 5	C315 (Fri-PM)	PolyMamba: Spatial-prior Guided Mamba for Polyp Segmentation with High-Frequency Enhancement <i>Authors: Renyu Fu, Shurui Hu, Xiao Zheng, Chang Tang, Xinwang Liu</i> <i>Presenter: Renyu Fu, China University of Geosciences, China</i>
3875	Poster Session 2	A332 (Thu-AM)	Gaussian Primitive Optimized Deformable Retinal Image Registration <i>Authors: Xin Tian, Jiazheng Wang, Yuxi Zhang, Xiang Chen, Renjiu Hu, Gaolei Li, Min Liu, Hang Zhang</i> <i>Presenter: Xin Tian, University of Oxford, United Kingdom</i>
3876	Poster Session 4	A144 (Fri-AM)	High-Order Progressive Trajectory Matching for Medical Image Dataset Distillation <i>Authors: Le Dong, Jinghao Bian, Jingyang Hou, Jingliang Hu, Yilei Shi, Weisheng Dong, Xiao Xiang Zhu, Lichao Mou</i> <i>Presenter: Le Dong, Xidian University, China</i>
3879	Poster Session 1	A236 (Wed-PM)	Longitudinal anatomical attention maps for recognizing diagnostic errors from radiologists' eye movements <i>Authors: Anna Anikina, Diliara Ibragimova, Tamerlan Mustafaev, Claudia Mello-Thoms, Bulat Ibragimov</i> <i>Presenter: Anna Anikina, University of Copenhagen, Denmark</i>
3881	Poster Session 3	A333 (Thu-PM)	Bias and Generalizability of Foundation Models across Datasets in Breast Mammography <i>Authors: Elodie Germani, Ilayda Selin-Türk, Fatima Zeineddine, Charbel Mourad, Shadi Albarqouni</i> <i>Presenter: Shadi Albarqouni, University of Bonn, Germany</i>
3882	Poster Session 4	A149 (Fri-AM)	Revisit the Stability of Vanilla Federated Learning Under Diverse Conditions <i>Authors: Youngjoon Lee, Jinu Gong, Sun Choi, Joonhyuk Kang</i>

			<i>Presenter: Youngjoon Lee, Korea Advanced Institute of Science & Technology, Republic of Korea</i>
3887	Poster Session 2	B332 (Thu-AM)	VoxelOpt: Voxel-Adaptive Message Passing for Discrete Optimization in Deformable Abdominal CT Registration <i>Authors: Hang Zhang, Yuxi Zhang, Jiazheng Wang, Xiang Chen, Renjiu Hu, Xin Tian, Gaolei Li, Min Liu</i> <i>Presenter: Hang Zhang, Cornell University, United States</i>
3892	Poster Session 5	C320 (Fri-PM)	Medical Contrastive Learning of Positive and Negative Mentions <i>Authors: WeiLong Wu, Jingzhi Yang, Xun Zhu, Xiao Zhang, ZiYu Liu, Miao Li, Ji Wu</i> <i>Presenters: Miao Li and WeiLong Wu, Tsinghua University, China</i>
3893	Poster Session 5	C325 (Fri-PM)	Knowing or Guessing? Robust Medical Visual Question Answering via Joint Consistency and Contrastive Learning <i>Authors: Songtao Jiang, Yuxi Chen, Sibao Song, Yan Zhang, Yeying Jin, Yang Feng, Jian Wu, Zuozhu Liu</i> <i>Presenter: Songtao Jiang, Zhejiang University, China</i>
3896	Poster Session 4	A274 (Fri-AM)	Physics-driven Signal Regularization in Diffusion Models for Multi-contrast MR Image Synthesis <i>Authors: Yejee Shin, Yunsu Byeon, Geonhui Son, Hanbyol Jang, Dosik Hwang, Sewon Kim</i> <i>Presenter: Yejee Shin, Yonsei University, Republic of Korea</i>
3902	Poster Session 2	A364 (Thu-AM)	Conformal Prediction for Image Segmentation Using Morphological Prediction Sets <i>Authors: Luca Mossina, Corentin Friedrich</i> <i>Presenter: Luca Mossina, IRT Saint Exupéry, France</i>
3920	Poster Session 4	A29 (Fri-AM)	Shuffle-Diversity Collaborative Federated Learning for Imbalanced Medical Image Analysis <i>Authors: Wenpeng Gao, Liantao Lan, Yumeng Liu, Ruxin Wang, Xiaomao Fan</i> <i>Presenter: Xiaomao Fan, Shenzhen Technology University, China</i>
3921	Poster Session 4	B184 (Fri-AM)	Navigational Bronchoscopy in Critical Care via End-to-End Pose Regression <i>Authors: Emile Mackute, Francis Xiatian Zhang, Kevin Dhaliwal, Mohsen Khadem</i> <i>Presenter: Emile Mackute, The University of Edinburgh, United Kingdom</i>
3932	Poster Session 4	A279 (Fri-AM)	Parameter-Efficient Fine-Tuning of 3D DDPM for MRI Image Generation Using Tensor Networks <i>Authors: Binghua Li, Ziqing Chang, Tong Liang, Chao Li, Toshihisa Tanaka, Shigeki Aoki, Qibin Zhao, Zhe Sun</i> <i>Presenter: Binghua Li, Tokyo University of Agriculture and Technology, Japan</i>
3940	Poster Session 5	B240 (Fri-PM)	Semantically Consistent Discrete Diffusion for 3D Biological Graph Modeling <i>Authors: Chinmay Prabhakar, Suprosanna Shit, Tamaz Amiranashvili, Hongwei Bran Li, Bjoern Menze</i> <i>Presenter: Chinmay Prabhakar, University of Zurich, Switzerland</i>
3950	Poster Session 2	B335 (Thu-AM)	Coronary Artery Calcification segmentation by using cross-frequency conditioner and geometric priors Learning <i>Authors: Weili Jiang, Yiming Li, Gadeng Luosang, Gang Peng, Yong Peng, Yijun Yao, Zhang Yi, Jianyong Wang, Mao Chen</i> <i>Presenter: Weili Jiang, Southwest Jiaotong University, China</i>
3953	Poster Session 1	B266 (Wed-PM)	Wavelet-driven Decoupling and Physics-informed Mapping Network for Accelerated Multi-parametric MR Imaging <i>Authors: Ruilong Dan, Kaicong Sun, Yichen Zhou, Minqiang Jia, Yuxuan Liu, Han Zhang, Xiaopeng Zong, Dinggang Shen</i> <i>Presenter: Ruilong Dan, ShanghaiTech University, China</i>

3955	Poster Session 3	A178 (Thu-PM)	Prototype-Guided and Lightweight Adapters for Inherent Interpretation and Generalisation in Federated Learning <i>Authors: Samuel Ofosu Mensah, Kerol Djoumessi, Philipp Berens</i> <i>Presenter: Samuel Ofosu Mensah, Hertie Institute for AI in Brain Health, Germany</i>
3959	Poster Session 2	B187 (Thu-AM)	Lightweight Data-Free Denoising for Detail-Preserving Biomedical Image Restoration <i>Authors: Tomáš Chobola, Julia A. Schnabel, Tingying Peng</i> <i>Presenter: Tomáš Chobola, Helmholtz Munich, Germany</i>
3966	Poster Session 4	A284 (Fri-AM)	SOFA: Deep Learning Framework for Simulating and Optimizing Atrial Fibrillation Ablation <i>Authors: Yunsung Chung, Chanh Lim, Ghassan Bidaoui, Christian Massad, Nassir Marrouche, Jihun Hamm</i> <i>Presenter: Yunsung Chung, Tulane University, United States</i>
3968	Poster Session 4	A289 (Fri-AM)	DIGS: Dynamic CBCT Reconstruction using Deformation-Informed 4D Gaussian Splatting and a Low-Rank Free-Form Deformation Model <i>Authors: Yuliang Huang, Imraj Singh, Thomas Joyce, Kris Thielemans, Jamie R. McClelland</i> <i>Presenter: Yuliang Huang, University College London, United Kingdom</i>
3977	Poster Session 2	A371 (Thu-AM)	Edge-Aware Token Halting for Efficient and Accurate Medical Image Segmentation <i>Authors: Yuhao Guo, Bo Song, Heng Fan, Erkang Cheng</i> <i>Presenter: Yuhao Guo, Hefei Institutes of Physical Science, Chinese Academy of Sciences, China</i>
3978	Poster Session 1	B271 (Wed-PM)	Pre-to-Post Operative MRI Generation with Retrieval-based Visual In-Context Learning <i>Authors: Bogyeong Kang, Sang-Jun Park, Minjoo Lim, Myeongkyun Kang, Keun-Soo Heo, Ji-Hye Oh, Hyun Jung Lee, Tae-Eui Kam</i> <i>Presenter: Bogyeong Kang, Korea University, Republic of Korea</i>
3980	Poster Session 3	A183 (Thu-PM)	Deep Learning Framework for Managing Inter-Reader Variability in Background Parenchymal Enhancement Classification for Contrast-Enhanced Mammography <i>Authors: Elodie Ripaud, Clément Jailin, Pablo Milioni de Carvalho, Laurence Vancamberg, Isabelle Bloch</i> <i>Presenter: Elodie Ripaud, GE HealthCare, France</i>
3981	Poster Session 3	A353 (Thu-PM)	Confidence in Angle Predictions for Clinical Decision Support <i>Authors: Allison Clement, James Willoughby, Irina Voiculescu</i> <i>Presenter: Allison Clement, Oxford University, United Kingdom</i>
3982	Poster Session 5	B150 (Fri-PM)	pyOpenNFT: an open-source Python framework for ML-based real-time fMRI and EEG-fMRI neurofeedback <i>Authors: Ekaterina Antipushina, Nikita Davydov, Riccardo De Feo, Evgeny Prilepin, Artem Nikonorov, Yury Koush</i> <i>Presenter: Ekaterina Antipushina, Skolkovo Institute of Science and Technology, Russia</i>
3991	Poster Session 2	A377 (Thu-AM)	Structure-Preserve Expansion for Medical Image Registration with Minimal Overlap <i>Authors: Zaiyuan Liu, Yongsheng Pan, Yong Xia</i> <i>Presenter: Zaiyuan Liu, Northwestern Polytechnical University, China</i>
3992	Poster Session 3	A188 (Thu-PM)	Influence of Classification Task and Distribution Shift Type on OOD Detection in Fetal Ultrasound <i>Authors: Chun Kit Wong, Anders N. Christensen, Cosmin I. Bercea, Julia A. Schnabel, Martin G. Tolsgaard, Aasa Feragen</i> <i>Presenter: Chun Kit Wong, Technical University of Denmark, Denmark</i>
4006	Poster Session 4	C289 (Fri-AM)	UFO-3: Unsupervised Three-Compartment Learning for Fiber Orientation Distribution Function Estimation <i>Authors: Xueqing Gao, Rizhong Lin, Jianhui Feng, Yonggang Shi, Yuchuan Qiao</i>

			<i>Presenter: Xueqing Gao, Tongji University, China</i>
4020	Poster Session 2	A212 (Thu-AM)	Register Anything: Estimating “Corresponding Prompts” for Segment Anything Model <i>Authors: Shiqi Huang, Tingfa Xu, Wen Yan, Dean Barratt, Yipeng Hu</i> <i>Presenter: Shiqi Huang, University College London, United Kingdom</i>
4023	Poster Session 1	B321 (Wed-PM)	A Multimodal Contrastive Learning for Detecting Aortic Dissection on 3D Non-Contrast CT with Anatomy Simplification <i>Authors: Duoer Zhang, Wenbo Xiao, Chen Jiang, Yuxuan Qiu, Zhan Feng, Hong Wang, Yefeng Zheng, Wentao Zhu</i> <i>Presenter: Duoer Zhang, Zhejiang Lab, China</i>
4024	Poster Session 5	B25 (Fri-PM)	Conditional Graph Diffusion with Topological Constraints for Brain Network Generation <i>Authors: Joonhyuk Park, Donghyun Lee, Guorong Wu, Won Hwa Kim</i> <i>Presenter: Joonhyuk Park, Pohang University of Science and Technology, Republic of Korea</i>
4041	Poster Session 5	B250 (Fri-PM)	Brain Wiring Knowledge Graph Reasoning: A Region Embedding Approach for Logical Neuronal Relation Inference <i>Authors: Zhengyun Zhou, Guojia Wan, Fei Liao, Wenbin Hu, Minghui Liao, Junchao Qiu, Xinyuan Li, Bo Du</i> <i>Presenter: Zhengyun Zhou, Wuhan University, China</i>
4042	Poster Session 2	B192 (Thu-AM)	Difficulty Estimation for Image-Specific Medical Image Segmentation Quality Control <i>Authors: Joris Fournel, Axel Bartoli, Baptiste Marchi, Arnaud Maurin, Siavash Arjomand Bigdeli, Alexis Jacquier, Aasa Feragen</i> <i>Presenter: Joris Fournel, Technical University of Denmark, Denmark</i>
4043	Poster Session 2	B197 (Thu-AM)	Beyond Shadows: Learning Physics-inspired Ultrasound Confidence Maps from Sparse Annotations <i>Authors: Matteo Ronchetti, Rüdiger Göbl, Bugra Yesilkaynak, Oliver Zettinig, Nassir Navab</i> <i>Presenter: Matteo Ronchetti, ImFusion GmbH, Germany</i>
4071	Poster Session 5	C330 (Fri-PM)	Unsupervised Discovery of Spatiotypes and Context-Aware Graph Neural Networks for Modeling Clinical Endpoints <i>Authors: Muhammad Dawood, Emily Thomas, Rosalin Cooper, Carlo Pescia, Anna Sozanska, Hosuk Ryou, Daniel Royston, Jens Rittscher</i> <i>Presenter: Jens Rittscher, University of Oxford & Oxford Big Data Institute, United Kingdom</i>
4083	Poster Session 3	A268 (Thu-PM)	RedDino: A foundation model for red blood cell analysis <i>Authors: Luca Zedda, Andrea Loddo, Cecilia Di Ruberto, Carsten Marr</i> <i>Presenter: Andrea Loddo, Helmholtz Zentrum München, Germany</i>
4095	Poster Session 4	A294 (Fri-AM)	MSDG-StyleNet: Multi-source Unsupervised Domain-Generalized CBCT-to-CT Translation with Style-Consistent Disentangled Representations <i>Authors: Xin Long, Xinrui Liu, Fan Gan</i> <i>Presenter: Xin Long, Nanchang University, China</i>
4096	Poster Session 4	A299 (Fri-AM)	Temporal Neural Cellular Automata: Application to modeling of contrast enhancement in breast MRI <i>Authors: Daniel M. Lang, Richard Osuala, Veronika Spieker, Karim Lekadir, Rickmer Braren, Julia A. Schnabel</i> <i>Presenter: Daniel Lang, Helmholtz Munich, Germany</i>
4101	Poster Session 3	A358 (Thu-PM)	Calibration in Multiple Instance Learning: Evaluating Aggregation Methods for Ultrasound-Based Diagnosis <i>Authors: Axel Geysels, Ben Van Calster, Bart De Moor, Wouter Froyman, Dirk Timmerman</i> <i>Presenter: Axel Geysels, KU Leuven, Belgium</i>
4105	Poster Session 1	A6	HoloPointNet: A Deep Learning Framework for Efficient 3D Point Cloud Holography

		(Wed-PM)	<i>Authors: Ankit Amrutkar, Ahmet Nazlioglu, Björn Kampa, Volkmar Schulz, Johannes Stegmaier, Markus Rothermel, Dorit Merhof</i> <i>Presenter: Ankit Amrutkar, RWTH Aachen University, Germany</i>
4116	Poster Session 4	B199 (Fri-AM)	Multi-modal Representations for Fine-grained Multi-label Critical View of Safety Recognition <i>Authors: Britty Baby, Vinkle Srivastav, Pooja P. Jain, Kun Yuan, Pietro Mascagni, Nicolas Padoy</i> <i>Presenter: Britty Baby, University of Strasbourg, France</i>
4118	Poster Session 2	A217 (Thu-AM)	RadSAM: Segmenting 3D radiological images with a 2D promptable model <i>Authors: Julien Khlaut, Elodie Ferreres, Daniel Tordjman, Helene Philippe, Tom Boeken, Pierre Manceron, Corentin Dancette</i> <i>Presenter: Julien Khlaut, Raidium, France</i>
4128	Poster Session 3	A318 (Thu-PM)	CXR-TFT: Multi-Modal Temporal Fusion Transformer for Predicting Chest X-ray Trajectories <i>Authors: Mehak Arora, Ayman Ali, Kaiyuan Wu, Carolyn Davis, Takashi Shimazui, Mahmoud Alwakeel, Victor Moas, Philip Yang, Annette Esper, Rishikesan Kamaleswaran</i> <i>Presenter: Mehak Arora, Duke University, United States</i>
4138	Poster Session 1	A241 (Wed-PM)	Diff-RRG: Longitudinal Disease-wise Patch Difference as Guidance for LLM-based Radiology Report Generation <i>Authors: Hannah Yun, Junyeong Maeng, Eunsong Kang, Heung-Il Suk</i> <i>Presenter: Hannah Yun, Korea University, Republic of Korea</i>
4143	Poster Session 3	A168 (Thu-PM)	Revisiting Masked Image Modeling with Standardized Color Space for Domain Generalized Fundus Photography Classification <i>Authors: Eojin Jang, Myeongkyun Kang, Soopil Kim, Min Sagong, Sang Hyun Park</i> <i>Presenter: Soopil Kim, Daegu Gyeongbuk Institute of Science and Technology, Republic of Korea</i>
4154	Poster Session 3	A313 (Thu-PM)	CXR-CML: Improved zero-shot classification of long-tailed multi-label diseases in Chest X-Rays <i>Authors: Rajesh Madhipati, Sheethal Bhat, Lukas Buess, Andreas Maier</i> <i>Presenter: Rajesh Madhipati, Friedrich-Alexander University Erlangen-Nuremberg, Germany</i>
4160	Poster Session 4	B189 (Fri-AM)	6D Object Pose Tracking for Orthopedic Surgical Training using Visual-Inertial Sensor Fusion <i>Authors: Maarten Hogenkamp, Tobias Stauffer, Quentin Lohmeyer, Mirko Meboldt</i> <i>Presenter: Maarten Hogenkamp, ETH Zürich, Switzerland</i>
4164	Poster Session 3	A3 (Thu-PM)	DPGS-Net: Dual Prior-Guided Cross-Domain Adaptive Framework for Ultrasound Image Segmentation <i>Authors: Weijie Zhang, Lingfeng Xie, Kun Zeng, Xiaonan Luo, Yongyi Gong</i> <i>Presenter: Weijie Zhang, Guangdong University of Foreign Studies, China</i>
4174	Poster Session 5	A135 (Fri-PM)	PCR-MIL: Phenotype Clustering Reinforced Multiple Instance Learning for Whole Slide Image Classification <i>Authors: Jingjiao Lou, Qingtao Pan, Qing Yang, Bing Ji</i> <i>Presenter: Jingjiao Lou, Shandong University, China</i>
4178	Poster Session 5	B255 (Fri-PM)	Task-aligned fMRI Generation Model for Brain Disorder Diagnosis <i>Authors: Yifan Li, Xiaotong Wu, Xiaocai Zhang, Haiteng Jiang, Weiwen Wu, Dinggang Shen, Jianjia Zhang</i> <i>Presenter: Yifan Li, Shenzhen Campus of Sun Yat-sen University, China</i>
4183	Poster Session 4	A324 (Fri-AM)	MedDiff-FT: Data-Efficient Diffusion Model Fine-tuning with Structural Guidance for Controllable Medical Image Synthesis <i>Authors: Jianhao Xie, Ziang Zhang, Zhenyu Weng, Yuesheng Zhu, Guibo Luo</i> <i>Presenter: Jianhao Xie, Peking University, China</i>

4185	Poster Session 4	B194 (Fri-AM)	Automated Integration of Surgical Implants into Digital Twins for Trauma Surgery <i>Authors: Tobias Stauffer, Manuel Reber, Léon Fellmann, Reto Babst, Mirko Meboldt, Quentin Lohmeyer</i> <i>Presenter: Tobias Stauffer, ETH Zürich, Switzerland</i>
4191	Poster Session 5	C335 (Fri-PM)	Cross-Modal Contrastive Learning for Emotion Recognition: Aligning ECG with EEG-Derived Features <i>Authors: Yi Wu, Yuhang Chen, Jiahao Cui, Jiaji Liu, Lin Liang, Shuai Li</i> <i>Presenter: Yuhang Chen, Beihang University, China</i>
4192	Poster Session 5	A360 (Fri-PM)	Mission Balance: Generating Under-represented Class Samples using Video Diffusion Models <i>Authors: Danush Kumar Venkatesh, Isabel Funke, Micha Pfeiffer, Fiona Kolbinger, Hanna Maria Schmeiser, Marius Distler, Jürgen Weitz, Stefanie Speidel</i> <i>Presenter: Danush Kumar Venkatesh, National Centre for Tumor Diseases, Germany</i>
4193	Poster Session 2	A222 (Thu-AM)	SafeClick: Error-Tolerant Interactive Segmentation of Any Medical Volumes via Hierarchical Expert Consensus <i>Authors: Yifan Gao, Jiaxi Sheng, Wenbin Wu, Haoyue Li, Yaoxian Dong, Chaoyang Ge, Feng Yuan, Xin Gao</i> <i>Presenter: Yifan Gao, University of Science and Technology of China, China</i>
4195	Poster Session 4	B254 (Fri-AM)	Synthesizing Delayed-Phase Contrast-Enhanced Breast MR Images from Early-Phase Images Using an Iterative Deep Network <i>Authors: Woojin Chung, Junghwa Kang, Ga Eun Park, Sung Hun Kim, Yoonho Nam</i> <i>Presenter: Woojin Chung, Hankuk University of Foreign Studies, Republic of Korea</i>
4198	Poster Session 5	A140 (Fri-PM)	A Learning Framework for Predicting CT-based PRM Biomarker from MRI Sequences in COPD <i>Authors: Yiling Xu, Simon M. F. Triphan, Julian Grolig, Hanyi Zhang, Jürgen Biederer, Craig J. Galbán, Hans-Ulrich Kauczor, Mark O. Wielpütz, Oliver Weinheimer</i> <i>Presenter: Yiling Xu, Heidelberg University Hospital, Germany</i>
4207	Poster Session 3	A88 (Thu-PM)	CLIMD: A Curriculum Learning Framework for Imbalanced Multimodal Diagnosis <i>Authors: Kai Han, Chongwen Lyu, Lele Ma, Chengxuan Qian, Siqi Ma, Zheng Pang, Jun Chen, Zhe Liu</i> <i>Presenter: Kai Han, Jiangsu University, China</i>
4211	Poster Session 2	A72 (Thu-AM)	Latent Motion Profiling for Annotation-free Cardiac Phase Detection in Adult and Fetal Echocardiography Videos <i>Authors: Yingyu Yang, Qianye Yang, Kangning Cui, Can Peng, Elena D'Alberti, Netzahualcoyotl Hernandez-Cruz, Olga Patey, Aris T. Papageorgiou, J. Alison Noble</i> <i>Presenter: Yingyu Yang, University of Oxford, United Kingdom</i>
4222	Poster Session 1	A246 (Wed-PM)	Vector-Quantization-Driven Active Learning for Efficient Multi-Modal Medical Segmentation with Cross-Modal Assistance <i>Authors: Xiaofei Du, Haoran Wang, Manning Wang, Zhijian Song</i> <i>Presenter: Xiaofei Du, Fudan University, China</i>
4230	Poster Session 1	A166 (Wed-PM)	Adaptation of Multi-modal Representation Models for Multi-task Surgical Computer Vision <i>Authors: Soham Walimbe, Britty Baby, Vinkle Srivastav, Nicolas Padoy</i> <i>Presenter: Soham Walimbe, BITS Pilani Goa Campus, India</i>
4231	Poster Session 4	B244 (Fri-AM)	Untangling Vascular Trees for Surgery and Interventional Radiology <i>Authors: Guillaume Houry, Tom Boeken, Stéphanie Allassonnière, Jean Feydy</i> <i>Presenter: Guillaume Houry, Inria Paris, France</i>
4234	Poster Session 5	A365	Learning from Sparse Point Labels for Dense Carcinosis Localization in Advanced Ovarian Cancer Assessment

		(Fri-PM)	<i>Authors: Farahdiba Zarin, Riccardo Oliva, Vinkle Srivastav, Armine Vardazaryan, Andrea Rosati, Alice Zampolini Faustini, Giovanni Scambia, Anna Fagotti, Pietro Mascagni, Nicolas Padoy</i> <i>Presenter: Farahdiba Zarin, University of Strasbourg, France</i>
4243	Poster Session 5	A372 (Fri-PM)	DiDGen: Diffusion-based Dual-task Synthesis for Dermoscopic Data Generation <i>Authors: Junjie Shentu, Matthew Watson, Noura Al Moubayed</i> <i>Presenter: Junjie Shentu, Durham University, United Kingdom</i>
4250	Poster Session 4	B259 (Fri-AM)	Indepth Integration of Multi-granularity Features from Dual-modal for Disease Classification <i>Authors: Yeli Wu, Xiaocai Zhang, Weiwen Wu, Haiteng Jiang, Chao An, Jianjia Zhang</i> <i>Presenter: Yeli Wu, Shenzhen Campus of Sun Yat-sen University, China</i>
4263	Poster Session 4	B204 (Fri-AM)	ICE-PoGO: Improving Dynamic Panoramic Reconstruction of 4D ICE Imaging through Pose Graph Optimization <i>Authors: Sebastian Herz, Magdalena Wysocki, Felix Tristram, Julia Hickler, Lydia Neary-Zajiczek, Christoph Hennemersperger, Nassir Navab, Stefan Wörz</i> <i>Presenter: Sebastian Herz, LUMA Vision, Germany</i>
4264	Poster Session 1	A251 (Wed-PM)	Multi-subject Orthogonal Sparse Matrix Decomposition Method for Extracting Individual Brain Functional Networks <i>Authors: Xingyu He, Vince D. Calhoun, Theo G. M. van Erp, Yuhui Du</i> <i>Presenter: Xingyu He, Shanxi University, China</i>
4278	Poster Session 1	A256 (Wed-PM)	PathoPrompt: Cross-Granular Semantic Alignment for Medical Pathology Vision-Language Models <i>Authors: Runlin Huang, Haohui Liang, Hongmin Cai, Weipeng Zhuo, Wentao Fan, Weifeng Su</i> <i>Presenter: Runlin Huang, Beijing Normal-Hong Kong Baptist University, China</i>
4284	Poster Session 3	A143 (Thu-PM)	Focus on Texture: Rethinking Pre-training in Masked Autoencoders for Medical Image Classification <i>Authors: Chetan Madan, Aarjav Satia, Soumen Basu, Pankaj Gupta, Usha Dutta, Chetan Arora</i> <i>Presenter: Chetan Madan, Indian Institute of Technology Delhi, India</i>
4285	Poster Session 1	A261 (Wed-PM)	Automated Detection of Abnormalities in Zebrafish Development <i>Authors: Sarath Sivaprasad, Hui-Po Wang, Anna-Lisa Jäckel, Jonas Baumann, Carole Baumann, Jennifer Herrmann, Mario Fritz</i> <i>Presenter: Sarath Sivaprasad, CISPA Helmholtz Center for Information Security, Germany</i>
4289	Poster Session 3	A8 (Thu-PM)	Distilling foundation models for robust and efficient models in digital pathology <i>Authors: Alexandre Filiot, Nicolas Dop, Oussama Tchita, Auriane Riou, Rémy Dubois, Thomas Peeters, Daria Valter, Marin Scalbert, Charlie Saillard, Geneviève Robin, Antoine Olivier</i> <i>Presenter: Alexandre Filiot, Owkin, France</i>
4296	Poster Session 5	A305 (Fri-PM)	Learning 3D Medical Image Models From Brain Functional Connectivity Network Supervision For Mental Disorder Diagnosis <i>Authors: Xingcan Hu, Wei Wang, Li Xiao</i> <i>Presenter: Xingcan Hu, University of Science and Technology of China, China</i>
4304	Poster Session 3	A138 (Thu-PM)	Aβ-PET Pattern Prediction via Graph Reconstruction-Aware Fusion (GRAF) of Functional and Structural Networks <i>Authors: Haoyue Yuan, Yuxiao Liu, Feihong Liu, Dinggang Shen</i> <i>Presenter: Haoyue Yuan, ShanghaiTech University, China</i>
4309	Poster Session 5	B260 (Fri-PM)	CAPE: Connectivity-Aware Path Enforcement Loss for Curvilinear Structure Delineation <i>Authors: Elyar Esmaeilzadeh, Ehsan Garaaghaji, Farzad Hallaji Azad, Doruk Oner</i>

			<i>Presenter: Doruk Oner, Bilkent University, Turkey</i>
4323	Poster Session 5	A350 (Fri-PM)	Information Bottleneck-based Causal Attention for Multi-label Medical Image Recognition <i>Authors: Xiaoxiao Cui, Yiran Li, Kai He, Shanzhi Jiang, Mengli Xue, Wentao Li, Junhong Leng, Zhi Liu, Lizhen Cui, Shuo Li</i> <i>Presenter: Xiaoxiao Cui, Shandong University, China</i>
4333	Poster Session 4	A159 (Fri-AM)	LHU-Net: a Lean Hybrid U-Net for Cost-efficient, High-performance Volumetric Segmentation <i>Authors: Yousef Sadegheih, Afshin Bozorgpour, Pratibha Kumari, Reza Azad, Dorit Merhof</i> <i>Presenter: Yousef Sadegheih, University of Regensburg, Germany</i>
4338	Poster Session 3	A93 (Thu-PM)	Regression-assisted Classification for CT-based Portal Hypertension Diagnosis <i>Authors: Wuque Cai, Jiayi He, Xu Guo, Hongze Sun, Huan Tong, Bo Wei, Hao Wu, Dezhong Yao, Daqing Guo</i> <i>Presenter: Jiayi He, University of Electronic Science and Technology of China, China</i>
4351	Poster Session 3	A13 (Thu-PM)	PSAT: Pediatric Segmentation Approaches via Adult Augmentations and Transfer Learning <i>Authors: Tristan Kirscher, Sylvain Faisan, Xavier Coubez, Loris Barrier, Philippe Meyer</i> <i>Presenter: Tristan Kirscher, ICUBE IMAGEs - ICANS, France</i>
4366	Poster Session 5	A270 (Fri-PM)	Endplate3D-QCT: A High-Resolution Dataset and Benchmark for Automated 3D Segmentation of Lumbar Vertebral Endplates in QCT <i>Authors: Zixun Yin, Da Zou, Yi Zhao, Chenbin Zhang, Weishi Li, Minghui Wu, Kun Yan, Ping Wang</i> <i>Presenter: Zixun Yin, Peking University, China</i>
4370	Poster Session 4	B264 (Fri-AM)	C-NCA : Chained Neural Cellular Automata for Fast and Accurate Thermal Ablation Estimation <i>Authors: Jonas Mehtali, Juan Manuel Verde, Caroline Essert</i> <i>Presenter: Jonas Mehtali, University of Strasbourg, France</i>
4374	Poster Session 3	A158 (Thu-PM)	A Non-contrast Head CT Foundation Model for Comprehensive Neuro-Trauma Triage <i>Authors: Youngjin Yoo, Bogdan Georgescu, Yanbo Zhang, Sasa Grbic, Han Liu, Gabriela D. Aldea, Thomas J. Re, Jyotipriya Das, Poikavila Ullaskrishnan, Eva Eibenberger, Andrei Chekkoury, Uttam K. Bodanapally, Savvas Nicolaou, Pina C. Sanelli, Thomas J. Schroepel, Yvonne W. Lui, Eli Gibson</i> <i>Presenter: Youngjin Yoo, Siemens Healthineers, United States</i>
4377	Poster Session 3	A118 (Thu-PM)	FoundBioNet: A Foundation-Based Model for IDH Genotyping of Glioma from Multi-Parametric MRI <i>Authors: Somayeh Farahani, Marjaneh Hejazi, Antonio Di Ieva, Sidong Liu</i> <i>Presenter: Somayeh Farahani, Macquarie University, Australia</i>
4381	Poster Session 2	C57 (Thu-AM)	Abnormality-Driven Representation Learning for Radiology Imaging <i>Authors: Marta Ligeró, Tim Lenz, Georg Wölflein, Omar S. M. El Nahhas, Daniel Truhn, Jakob Nikolas Kather</i> <i>Presenter: Tim Lenz, EKfZ for Digital Health, TU Dresden, Germany</i>
4385	Poster Session 5	A200 (Fri-PM)	Endo-CLIP: Progressive Self-Supervised Pre-training on Raw Colonoscopy Records <i>Authors: Yili He, Yan Zhu, Peiyao Fu, Ruijie Yang, Tianyi Chen, Zhihua Wang, Quanlin Li, Pinghong Zhou, Xian Yang, Shuo Wang</i> <i>Presenter: Yili He, University College London, United Kingdom</i>
4386	Poster Session 4	B274 (Fri-AM)	Paired Image Generation with Diffusion-Guided Diffusion Models <i>Authors: Haoxuan Zhang, Wenju Cui, Yuzhu Cao, Tao Tan, Jie Liu, Yunsong Peng, Jian Zheng</i> <i>Presenter: Wenju Cui, University of Science and Technology of China, China</i>

4415	Poster Session 4	B209 (Fri-AM)	CholecMamba: A Mamba-based Multimodal Reasoning Model for Cholecystectomy Surgery <i>Authors: Zipei Wang, Sitian Pan, Mengjie Fang, Ruofan Zhang, Jie Tian, Di Dong</i> <i>Presenter: Zipei Wang, Key Laboratory of Molecular Imaging, Institute of Automation, Chinese Academy of Sciences, China</i>
4418	Poster Session 2	A142 (Thu-AM)	NIMOSEF: Neural implicit motion and segmentation functions <i>Authors: Jaume Banus, Antoine Delaloye, Pedro M. Gordaliza, Costa Georgantas, Ruud B. van Heeswijk, Jonas Richiardi</i> <i>Presenter: Jaume Banus, Lausanne University Hospital, CHUV, Switzerland</i>
4424	Poster Session 5	A145 (Fri-PM)	Revisiting 3D Medical Scribble Supervision: Benchmarking Beyond Cardiac Segmentation <i>Authors: Karol Gotkowski, Klaus H. Maier-Hein, Fabian Isensee</i> <i>Presenter: Karol Gotkowski, German Cancer Research Center, Germany</i>
4428	Poster Session 5	A205 (Fri-PM)	ESPNNet: Edge-Aware Feature Shrinkage Pyramid for Polyp Segmentation <i>Authors: Raneem Toman, Venkataraman Subramanian, Sharib Ali</i> <i>Presenter: Raneem Toman, University of Leeds, United Kingdom</i>
4441	Poster Session 3	A18 (Thu-PM)	PathoCellBench: A Comprehensive Benchmark for Cell Phenotyping <i>Authors: Jérôme Lüscher, Nora Koreuber, Jannik Franzen, Fabian H. Reith, Claudia Winklmayr, Elias Baumann, Christian M. Schürch, Dagmar Kainmüller, Josef Lorenz Rumberger</i> <i>Presenter: Claudia Winklmayr, Max Delbrück Center, Germany</i>
4443	Poster Session 2	B202 (Thu-AM)	EchoViewCLIP: Advancing Video Quality Control through High-performance View Recognition of Echocardiography <i>Authors: Shanshan Song, Yi Qin, Honglong Yang, Taoran Huang, Hongwen Fei, Xiaomeng Li</i> <i>Presenter: Shanshan Song, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
4449	Poster Session 4	B279 (Fri-AM)	Class-Conditioned Image Synthesis with Diffusion for Imbalanced Diabetic Retinopathy Grading <i>Authors: Haochen Zhang, Anna Heinke, Ines D. Nagel, Dirk-Uwe G. Bartsch, William R. Freeman, Truong Q. Nguyen, Cheolhong An</i> <i>Presenter: Truong Nguyen, University of California San Diego, United States</i>
4453	Poster Session 4	B284 (Fri-AM)	Supervised Diffusion-Model-Based PET Image Reconstruction <i>Authors: George Webber, Alexander Hammers, Andrew P. King, Andrew J. Reader</i> <i>Presenter: George Webber, King's College London, United Kingdom</i>
4455	Poster Session 2	A227 (Thu-AM)	Spatial Prior-Guided Boundary and Region-Aware 2D Lesion Segmentation in Neonatal Hypoxic Ischemic Encephalopathy <i>Authors: Amog Rao, Ananya Shukla, Jia Bhargava, Yangming Ou, Rina Bao</i> <i>Presenters: Amog Rao and Ananya Shukla, Plaksha University, India</i>
4457	Poster Session 2	A107 (Thu-AM)	Disentangled and Interpretable Multimodal Attention Fusion for Cancer Survival Prediction <i>Authors: Aniek Eijpe, Soufyan Lakbir, Melis Erdal Cesur, Sara P. Oliveira, Sanne Abeln, Wilson Silva</i> <i>Presenter: Aniek Eijpe, Utrecht University, The Netherlands</i>
4471	Poster Session 4	B289 (Fri-AM)	Domain-Agnostic Stroke Lesion Segmentation Using Physics-Constrained Synthetic Data <i>Authors: Liam Chalcraft, Jenny Crinion, Cathy J. Price, John Ashburner</i> <i>Presenter: Liam Chalcraft, University College London, United Kingdom</i>
4475	Poster Session 1	B276	Physics-Informed Neural ODEs for Temporal Dynamics Modeling in Cardiac T1 Mapping

		(Wed-PM)	<i>Authors: Nuno Capitão, Yi Zhang, Yidong Zhao, Qian Tao</i> <i>Presenter: Qian Tao, Delft University of Technology, The Netherlands</i>
4481	Poster Session 5	B265 (Fri-PM)	TReND: Transformer derived features and Regularized NMF for neonatal functional network Delineation <i>Authors: Sovesh Mohapatra, Minhui Ouyang, Shufang Tan, Jianlin Guo, Lianglong Sun, Yong He, Hao Huang</i> <i>Presenter: Sovesh Mohapatra, University of Pennsylvania, United States</i>
4486	Poster Session 1	B281 (Wed-PM)	CBrain: Cross-Modal Learning for Brain Vigilance Detection in Resting-State fMRI <i>Authors: Chang Li, Yamin Li, Haatef Pourmotabbed, Shengchao Zhang, Jorge A. Salas, Sarah E. Goodale, Roza G. Bayrak, Catie Chang</i> <i>Presenter: Sarah E. Goodale, Vanderbilt University, United States</i>
4487	Poster Session 3	A23 (Thu-PM)	General Methods Make Great Domain-specific Foundation Models: A Case-study on Fetal Ultrasound <i>Authors: Jakob Ambsdorf, Asbjørn Munk, Sebastian Llambias, Anders N. Christensen, Kamil Mikolaj, Randall Balestrieri, Martin G. Tolsgaard, Aasa Feragen, Mads Nielsen</i> <i>Presenter: Jakob Ambsdorf, University of Copenhagen, Denmark</i>
4505	Poster Session 4	A164 (Fri-AM)	Feeling the Stakes: Realism and Ecological Validity in User Research for Computer-Assisted Interventions <i>Authors: Sue Min Cho, Winnie Wu, Ethan Kilmer, Russell H. Taylor, Mathias Unberath</i> <i>Presenter: Sue Min Cho, Johns Hopkins University, United States</i>
4507	Poster Session 5	B270 (Fri-PM)	Adaptive Graph Learning with Multi-Graph Convolutions for Brain Disorder Classification <i>Authors: Fuad Noman, Raphaël C.-W. Phan, Hernando Ombao, Chee-Ming Ting</i> <i>Presenter: Fuad Noman, Monash University Malaysia, Malaysia</i>
4509	Poster Session 5	A285 (Fri-PM)	HaLF-SAM: SAM-based Haustal Fold Detection In Colonoscopy with Debris Suppression and Temporal Consistency <i>Authors: Mayank Golhar, Luoie Huang, Nicholas J. Durr</i> <i>Presenter: Mayank Golhar, Johns Hopkins University, United States</i>
4513	Poster Session 4	B294 (Fri-AM)	Distribution-Guided Multi-Tracer Brain PET Synthesis from Structural MRI with Class-Conditioned Weighted Diffusion <i>Authors: Minhui Yu, David S. Lalush, Derek C. Monroe, Kelly S. Giovanello, Weili Lin, Pew-Thian Yap, Jason P. Mihalik, Mingxia Liu</i> <i>Presenter: Qianqian Wang, The University of North Carolina at Chapel Hill, United States</i>
4519	Poster Session 4	B299 (Fri-AM)	Super-resolution and segmentation of 4D Flow MRI using Deep learning and Weighted Mean Frequencies <i>Authors: Simon Perrin, Sébastien Levilly, Harold Mouchère, Jean-Michel Serfaty</i> <i>Presenter: Simon Perrin, Nantes Université / LS2N, France</i>
4526	Poster Session 4	B304 (Fri-AM)	Tackling Hallucination from Conditional Models for Medical Image Reconstruction with DynamicDPS <i>Authors: Seunghoi Kim, Henry F. J. Tregidgo, Matteo Figini, Chen Jin, Sarang Joshi, Daniel C. Alexander</i> <i>Presenter: Seunghoi Kim, University College London, United Kingdom</i>
4536	Poster Session 2	C72 (Thu-AM)	Guiding Registration with Emergent Similarity from Pre-Trained Diffusion Models <i>Authors: Nurislam Tursynbek, Hastings Greer, Başar Demir, Marc Niethammer</i> <i>Presenter: Marc Niethammer, University of California San Diego, United States</i>
4548	Poster Session 4	B214 (Fri-AM)	A Novel Framework for Integrating 3D Ultrasound into Percutaneous Liver Tumour Ablation <i>Authors: Shuwei Xing, Derek W. Cool, David Tessier, Elvis C.S. Chen, Terry M. Peters, Aaron Fenster</i> <i>Presenter: Shuwei Xing, Robarts Research Institute & Western University, Canada</i>

4555	Poster Session 2	B307 (Thu-AM)	The Missing Piece: A Case for Pre-Training in 3D Medical Object Detection <i>Authors: Katharina Eckstein, Constantin Ulrich, Michael Baumgartner, Jessica Kächele, Dimitrios Bounias, Tassilo Wald, Ralf Floca, Klaus H. Maier-Hein</i> <i>Presenter: Katharina Eckstein, German Cancer Research Center (DKFZ), Germany</i>
4574	Poster Session 4	B29 (Fri-AM)	Endo-FAST3r: Endoscopic Foundation model Adaptation for Structure from motion <i>Authors: Mona Sheikh Zeinoddin, Mobarak I. Hoque, Zafer Tandogdu, Greg L. Shaw, Matthew J. Clarkson, Evangelos B. Mazomenos, Danail Stoyanov</i> <i>Presenter: Mona Sheikh Zeinoddin, University College London, United Kingdom</i>
4581	Poster Session 4	B314 (Fri-AM)	Analysis of Image-and-Text Uncertainty Propagation in Multimodal Large Language Models with Cardiac MR-Based Applications <i>Authors: Yucheng Tang, Yunguan Fu, Weixi Yi, Yipei Wang, Daniel C. Alexander, Rhodri Davies, Yipeng Hu</i> <i>Presenter: Yucheng Tang, University College London, United Kingdom</i>
4585	Poster Session 5	A210 (Fri-PM)	SurgicalGS: Dynamic 3D Gaussian Splatting for Accurate Robotic-Assisted Surgical Scene Reconstruction <i>Authors: Jialei Chen, Xin Zhang, Mobarak I. Hoque, Francisco Vasconcelos, Danail Stoyanov, Daniel S. Elson, Baoru Huang</i> <i>Presenter: Jialei Chen, Imperial College London, United Kingdom</i>
4594	Poster Session 5	A215 (Fri-PM)	Clinically-guided Data Synthesis for Laryngeal Lesion Detection <i>Authors: Chiara Baldini, Kaisar Kushibar, Richard Osuala, Simone Balocco, Oliver Diaz, Karim Lekadir, Leonardo S. Mattos</i> <i>Presenter: Chiara Baldini, Istituto Italiano di Tecnologia, Italy</i>
4597	Poster Session 5	A355 (Fri-PM)	CF-Seg: Counterfactuals meet Segmentation <i>Authors: Raghav Mehta, Fabio De Sousa Ribeiro, Tian Xia, Mélanie Roschewitz, Ainkaran Santhirasekaram, Dominic C. Marshall, Ben Glocker</i> <i>Presenter: Raghav Mehta, Imperial College London, United Kingdom</i>
4598	Poster Session 1	B291 (Wed-PM)	Surface Vision Mamba: Leveraging Bidirectional State Space Model for Efficient Spherical Manifold Representation <i>Authors: Rongzhao He, Weihao Zheng, Leilei Zhao, Ying Wang, Dalin Zhu, Dan Wu, Bin Hu</i> <i>Presenter: Rongzhao He, Lanzhou University, China</i>
4605	Poster Session 3	A28 (Thu-PM)	OralSAM: One-shot Segmentation for Intraoral Ultrasound Videos with Adaptive Feature Correlation and Self-prompting Strategy <i>Authors: Logiraj Kumaralingam, Anparasy Sivaanpu, Manh-Hai Hoang, Javaneh Alavi, Kim-Cuong T. Nguyen, Kumaradevan Punithakumar, Edmond H. M. Lou, Paul Major, Lawrence H. Le</i> <i>Presenter: Anparasy Sivaanpu, University of Alberta, Canada</i>
4612	Poster Session 3	A33 (Thu-PM)	Automatic dataset shift identification to support safe deployment of medical imaging AI <i>Authors: Mélanie Roschewitz, Raghav Mehta, Charles Jones, Ben Glocker</i> <i>Presenter: Ben Glocker, Imperial College London, United Kingdom</i>
4626	Poster Session 2	A112 (Thu-AM)	LLM-Powered Cross-Modal Alignment for Explainable Seizure Detection from EEG <i>Authors: Maryam Riazi, Deeksha M. Shama, Archana Venkataraman</i> <i>Presenter: Deeksha M. Shama, Johns Hopkins University, United States</i>
4637	Poster Session 5	B275 (Fri-PM)	BiSCoT: Behavior-Informed Subgroup-Consistent Connectome Template for Interpretable Brain Network Analysis <i>Authors: Zijian Chen, Stefen Beeler-Duden, Sophie Lawson, Zachary Jacokes, John Darrell Van Horn, Kevin A. Pelphrey, Archana Venkataraman</i> <i>Presenter: Zijian Chen, Boston University, United States</i>

4644	Poster Session 1	A266 (Wed-PM)	Reducing Variability of Multiple Instance Learning Methods for Digital Pathology <i>Authors: Ali Mammadov, Loïc Le Folgoc, Guillaume Hocquet, Pietro Gori</i> <i>Presenter: Ali Mammadov, LTCI, Télécom Paris, Institut Polytechnique De Paris, France</i>
4651	Poster Session 2	B302 (Thu-AM)	Training state-of-the-art pathology foundation models with orders of magnitude less data <i>Authors: Mikhail Karasikov, Joost van Doorn, Nicolas Känzig, Melis Erdal Cesur, Hugo Mark Horlings, Robert Berke, Fei Tang, Sebastian Otálora</i> <i>Presenter: Juan Sebastian Otálora Montenegro, kaiko.ai, Switzerland</i>
4655	Poster Session 2	A117 (Thu-AM)	One For All: A Unified Approach to Classification and Self-Explanation <i>Authors: Mehdi Naouar, Yannick Vogt, Joschka Boedecker, Gabriel Kalweit, Maria Kalweit</i> <i>Presenter: Mehdi Naouar, University of Freiburg, Germany</i>
4658	Poster Session 3	A38 (Thu-PM)	Adaptive Stain Normalization for Cross-Domain Medical Histology <i>Authors: Tianyue Xu, Yanlin Wu, Abhai K. Tripathi, Matthew M. Ippolito, Benjamin D. Haeffele</i> <i>Presenter: Yanlin Wu, Johns Hopkins University, United States</i>
4661	Poster Session 4	B219 (Fri-AM)	Sparse-XM: Spine Pose Adjustment with RGB-D Bone Segmentation via Cross-Modality Label Transfer <i>Authors: William R. Warner, Indrani Bhattacharya, Linton T. Evans, Sohail K. Mirza, Keith D. Paulsen, Xiaoyao Fan</i> <i>Presenter: William Warner, Dartmouth College, United States</i>
4670	Poster Session 1	A141 (Wed-PM)	Unsupervised Cardiac Video Translation Via Motion Feature Guided Diffusion Model <i>Authors: Swakshar Deb, Nian Wu, Frederick H. Epstein, Miaomiao Zhang</i> <i>Presenter: Swakshar Deb, University of Virginia, United States</i>
4672	Poster Session 1	A271 (Wed-PM)	Enhancing Radiology Report Interpretation through Modality-Specific RadGraph Fine-Tuning <i>Authors: Haoyue Guan, Yuwei Dai, Shadi Afyouni, Alec Kain, Wen-Chi Hsu, Jiashu Cheng, Sophie Yao, Yuli Wang, Jing Wu, Rishitha Pulakhandam, Lin-mei Zhao, Chengzhang Zhu, Zhicheng Jiao, Craig Jones, Harrison Bai</i> <i>Presenter: Harrison Bai, Johns Hopkins University, United States</i>
4677	Poster Session 5	A165 (Fri-PM)	ProTeUS: A Spatio-Temporal Enhanced Ultrasound-Based Framework for Prostate Cancer Detection <i>Authors: Tarek Elghareb, Mohamed Harmanani, Minh Nguyen Nhat To, Paul Wilson, Amoon Jamzad, Fahimeh Fooladgar, Baraa Abdelsamad, Obed Dzikunu, Samira Sojoudi, Gabrielle Reznik, Michael Leveridge, Robert Siemens, Silvia Chang, Peter Black, Parvin Mousavi, Purang Abolmaesumi</i> <i>Presenter: Tarek Elghareb, University of British Columbia, Canada</i>
4692	Poster Session 4	B319 (Fri-AM)	Improving Autism Detection with Multimodal Behavioral Analysis <i>Authors: William Saakyan, Matthias Norden, Lola Eversmann, Simon Kirsch, Muyu Lin, Simon Guendelman, Isabel Dziobek, Hanna Drimalla</i> <i>Presenter: William Saakyan, Bielefeld University, Germany</i>
4699	Poster Session 1	A101 (Wed-PM)	BridgeSplat: Bidirectionally Coupled CT and Non-Rigid Gaussian Splatting for Deformable Intraoperative Surgical Navigation <i>Authors: Maximilian Fehrentz, Alexander Winkler, Thomas Heiliger, Nazim Haouchine, Christian Heiliger, Nassir Navab</i> <i>Presenter: Maximilian Fehrentz, Technical University of Munich & Hospital of LMU Munich, Germany</i>
4700	Poster Session 2	A232	Deep Learning-based Alignment Measurement in Knee Radiographs

		(Thu-AM)	<i>Authors: Zhisen Hu, Dominic Cullen, Peter Thompson, David Johnson, Chang Bian, Aleksei Tiulpin, Timothy Cootes, Claudia Lindner</i> <i>Presenter: Zhisen Hu, The University of Manchester, United Kingdom</i>
4708	Poster Session 2	B207 (Thu-AM)	Pretraining on Chronic Lung Inflammatory Disease Datasets to Enhance Indeterminant Lung Cancer Classification using Masked Autoencoders <i>Authors: Axel H.P. Masquelin, Raúl San José Estépar</i> <i>Presenter: Axel Masquelin, Brigham and Women's Hospital, United States</i>
4723	Poster Session 2	C32 (Thu-AM)	MammoTracker: Mask-Guided Lesion Tracking in Temporal Mammograms <i>Authors: Xuan Liu, Yinhao Ren, Marc D. Ryser, Lars J. Grimm, Joseph Y. Lo</i> <i>Presenter: Joseph Lo, Duke University, United States</i>
4725	Poster Session 5	A220 (Fri-PM)	Future Slot Prediction for Unsupervised Object Discovery in Surgical Video <i>Authors: Guiqiu Liao, Matjaz Jogan, Marcel Hussing, Edward Zhang, Eric Eaton, Daniel A. Hashimoto</i> <i>Presenter: Matjaz Jogan, University of Pennsylvania, United States</i>
4731	Poster Session 1	A106 (Wed-PM)	From Sight to Skill: A Surgeon-Centered Augmented Reality System for Ureteroscopy Training <i>Authors: Jumanh Atoum, Fangjie Li, Ayberk Acar, Nicholas L. Kavoussi, Jie Ying Wu</i> <i>Presenter: Jumanh Atoum, Vanderbilt University, United States</i>
4748	Poster Session 2	B212 (Thu-AM)	Fetuses Made Simple: Modeling and Tracking of Fetal Shape and Pose <i>Authors: Yingcheng Liu, Peiqi Wang, Sebastian Diaz, Esra Abaci Turk, Benjamin Billot, P. Ellen Grant, Polina Golland</i> <i>Presenter: Yingcheng Liu, Massachusetts Institute of Technology, United States</i>
4752	Poster Session 1	A111 (Wed-PM)	NAVIUS: Navigated Augmented Reality Visualization for Ureteroscopic Surgery <i>Authors: Ayberk Acar, Jumanh Atoum, Peter S. Connor, Clifford Pierre, Carisa N. Lynch, Nicholas L. Kavoussi, Jie Ying Wu</i> <i>Presenter: Ayberk Acar, Vanderbilt University, United States</i>
4771	Poster Session 3	A278 (Thu-PM)	RL4Med-DDPO: Reinforcement Learning for Controlled Guidance Towards Diverse Medical Image Generation using Vision-Language Foundation Models <i>Authors: Parham Saremi, Amar Kumar, Mohamed Mohamed, Zahra TehraniNasab, Tal Arbel</i> <i>Presenter: Parham Saremi, McGill University, Canada</i>
4773	Poster Session 4	B324 (Fri-AM)	Contrast Flow Pattern and Cross-Phase Specificity-Aware Diffusion Model for NCCT-to-Multiphase CECT Synthesis <i>Authors: Kaiyi Zheng, Mu Huang, Xinming Li, Jianhua Ma, Qianjin Feng, Wei Yang, Liming Zhong</i> <i>Presenter: Kaiyi Zheng, Southern Medical University, China</i>
4783	Poster Session 1	A276 (Wed-PM)	Trustworthy Few-Shot Transfer of Medical VLMs through Split Conformal Prediction <i>Authors: Julio Silva-Rodríguez, Ismail Ben Ayed, Jose Dolz</i> <i>Presenter: Julio Silva-Rodríguez, ÉTS Montréal, Canada</i>
4786	Poster Session 1	A281 (Wed-PM)	Exposing and Mitigating Calibration Biases and Demographic Unfairness in MLLM Few-Shot In-Context Learning for Medical Image Classification <i>Authors: Xing Shen, Justin Szeto, Mingyang Li, Hengguan Huang, Tal Arbel</i> <i>Presenter: Tal Arbel, McGill University, Canada</i>
4789	Poster Session 3	A283 (Thu-PM)	Language of Stains: Tokenization Enhances Multiplex Immunofluorescence and Histology Image Synthesis <i>Authors: Zachary Sims, Sandhya Govindarajan, Gordon B. Mills, Ece Eksi, Young Hwan Chang</i> <i>Presenter: Zachary Sims, Oregon Health & Science University, United States</i>

4791	Poster Session 1	A286 (Wed-PM)	Teaching pathology foundation models to accurately predict gene expression with parameter efficient knowledge transfer <i>Authors: Shi Pan, Jianan Chen, Maria Secrier</i> <i>Presenter: Shi Pan, University College London, United Kingdom</i>
4796	Poster Session 3	C8 (Thu-PM)	Few-Shot, Now for Real: Medical VLMs Adaptation without Balanced Sets or Validation <i>Authors: Julio Silva-Rodríguez, Fereshteh Shakeri, Houda Bahig, Jose Dolz, Ismail Ben Ayed</i> <i>Presenter: Julio Silva-Rodríguez, ÉTS Montréal, Canada</i>
4812	Poster Session 2	A272 (Thu-AM)	ITMatch: Arch-Guided Semi-Supervised Tooth Arrangement via Iterative Confidence Evaluation <i>Authors: Chengyuan Wang, Zhihui He, Li Chen, Shidong Yang, Guiyu Sun, Fan Duan, Shuo Wang, Yanheng Zhou</i> <i>Presenter: Chengyuan Wang, Tsinghua University, China</i>
4825	Poster Session 3	A43 (Thu-PM)	Physics-guided deep image prior network for general zero-shot stain deconvolution <i>Authors: Jianan Chen, Lydia Y. Liu, Wenchao Han, Alison Cheung, Hubert Tsui, Anne L. Martel</i> <i>Presenter: Jianan Chen, University College London, United Kingdom</i>
4834	Poster Session 5	B195 (Fri-PM)	Multi-Modal Graph-Based Machine Learning for Predicting Surgical Outcome in Epilepsy Patients <i>Authors: Artur Arturi Aharonyan, Syeda Abeera Amir, Nunthasiri Wittayanakorn, Marius George Linguraru, Chima Oluigbo, Syed Muhammad Anwar</i> <i>Presenter: Abeera Amir, Childrens National Hospital, United States</i>
4840	Poster Session 2	B217 (Thu-AM)	Unsupervised Learning-Based Susceptibility Artifact Correction for Diffusion-Weighted MRI in Multiple Organs <i>Authors: Shihan Qiu, Radu Miron, Yahang Li, Cornelius Eichner, Thorsten Feiweier, Nirmal Janardhanan, Bryan Clifford, Omar Darwish, Mahmoud Mostapha, Mariappan S. Nadar</i> <i>Presenter: Radu Miron, Siemens Industry Software România, Romania</i>
4859	Poster Session 2	A237 (Thu-AM)	Ambiguous Medical Image Segmentation Using Diffusion Schrödinger Bridge <i>Authors: Lalith Bharadwaj Baru, Kamalaker Dadi, Tapabrata Chakraborti, Raju S. Bapi</i> <i>Presenter: Lalith Bharadwaj Baru, International Institute of Information Technology - Hyderabad, India</i>
4862	Poster Session 1	C161 (Wed-PM)	RAPTOR: Generative AI for Parsing Colorectal Cancer Referrals to Streamline Faster Diagnostic Standard Pathways <i>Authors: Sofiat Abioye, Shazad Ashraf, Junaid Qadir, Adam Byfield, Anusha Jose, William Poulett, Ben Wallace, Adil Butt, Colm Forde, Marcus Mottershead, Simon Fallis, Andrew Beggs, Aneel Bhangu, Lukman Akanbi, Muhammad Bilal</i> <i>Presenter: Sofiat Abioye, Birmingham City University, United Kingdom</i>
4885	Poster Session 2	A12 (Thu-AM)	CytoSAE: Interpretable Cell Embeddings for Hematology <i>Authors: Muhammed Furkan Dasdelen, Hyesu Lim, Michele Buck, Katharina S. Götze, Carsten Marr, Steffen Schneider</i> <i>Presenter: Muhammed Furkan Dasdelen, Helmholtz Munich, Germany</i>
4888	Poster Session 3	A48 (Thu-PM)	Regularized Low-Rank Adaptation for Few-Shot Organ Segmentation <i>Authors: Ghassen Baklouti, Julio Silva-Rodríguez, Jose Dolz, Houda Bahig, Ismail Ben Ayed</i> <i>Presenter: Ghassen Baklouti, ÉTS Montréal & Centre de Recherche du Centre Hospitalier de l'Université de Montréal, Canada</i>
4892	Poster Session 5	A225 (Fri-PM)	VAP-Diffusion: Enriching Descriptions with MLLMs for Enhanced Medical Image Generation <i>Authors: Peng Huang, Junhu Fu, Bowen Guo, Zeju Li, Yuanyuan Wang, Yi Guo</i> <i>Presenter: Junhu Fu, Fudan University, China</i>

4895	Poster Session 2	A242 (Thu-AM)	EfficientMedNeXt: Multi-Receptive Dilated Convolutions for Medical Image Segmentation <i>Authors: Md Mostafijur Rahman, Mustafa Munir, Radu Marculescu</i> <i>Presenter: Md Mostafijur Rahman, The University of Texas at Austin, United States</i>
4899	Poster Session 5	A230 (Fri-PM)	FPN-in-FPN: A Nested Multi-Scale Aggregation Network for Polyp Segmentation <i>Authors: Jin Ye, Yanzhou Su, Yicheng Wu, Junjun He, Bohan Zhuang, Zhaolin Chen, Jianfei Cai</i> <i>Presenter: Jin Ye, Monash University, Australia</i>
4914	Poster Session 3	B298 (Thu-PM)	Bayesian Transformers and Higher-Order Graph Matching for Cell Tracking in Serial Tissue Sections <i>Authors: Mostafa Karami, Sahand Hamzehei, David Arce, Gianna Raimondi, Linnaea Ostroff, Sheida Nabavi</i> <i>Presenter: Sheida Nabavi, University of Connecticut, United States</i>
4921	Poster Session 4	B329 (Fri-AM)	Unsupervised OCT image interpolation using deformable registration and generative models <i>Authors: Shuwen Wei, Samuel W. Remedios, Zhangxing Bian, Shimeng Wang, Junyu Chen, Yihao Liu, Bruno Jedynak, Tin Y. A. Liu, Shiv Saidha, Peter A. Calabresi, Jerry L. Prince, Aaron Carass</i> <i>Presenter: Samuel Remedios, Johns Hopkins University, United States</i>
4926	Poster Session 4	A179 (Fri-AM)	SV-DRR: High-Fidelity Novel View X-Ray Synthesis Using Diffusion Model <i>Authors: Chun Xie, Yuichi Yoshii, Itaru Kitahara</i> <i>Presenter: Chun Xie, University of Tsukuba, Japan</i>
4934	Poster Session 5	A235 (Fri-PM)	Feature Mixing Approach for Detecting Intraoperative Adverse Events in Laparoscopic Roux-en-Y Gastric Bypass Surgery <i>Authors: Rupak Bose, Chinedu Innocent Nwoye, Jorge F. Lazo, Joël L. Lavanchy, Nicolas Padoy</i> <i>Presenter: Chinedu Innocent Nwoye, Intuitive Surgical, United States</i>
4940	Poster Session 5	B280 (Fri-PM)	Edge-Aware Hierarchical Graph Transformer to Decode Brain Arterial Network <i>Authors: Kaiyu Zhang, Li Chen, Wenjin Liu, Taewon Kim, Xin Wang, Yin Guo, Zhiwei Tan, Zhensen Chen, Angie Tang, Xihai Zhao, Thomas S. Hatsukami, Mahmud Mossa-Basha, Niranjana Balu, Chun Yuan</i> <i>Presenter: Zhiwei Tan, University of Washington, United States</i>
4944	Poster Session 4	A184 (Fri-AM)	Direct Inversion Formula of the Multi-coil MR Operator under Arbitrary Trajectories <i>Authors: Junzhou Chen, Anthony G. Christodoulou, Zhaoyang Fan</i> <i>Presenter: Junzhou Chen, Cedars-Sinai Medical Center, United States</i>
4945	Poster Session 2	B232 (Thu-AM)	Harnessing Side Information for Highly Accelerated MRI <i>Authors: Arda Atalık, Sumit Chopra, Daniel K. Sodickson</i> <i>Presenter: Arda Atalık, New York University, United States</i>
4958	Poster Session 3	A53 (Thu-PM)	Self-supervised Normality Learning and Divergence Vector-guided Model Merging for Zero-shot Congenital Heart Disease Detection in Fetal Ultrasound Videos <i>Authors: Pramit Saha, Divyanshu Mishra, Netzahualcoyotl Hernandez-Cruz, Olga Patey, Aris T. Papageorgiou, Yuki M. Asano, J. Alison Noble</i> <i>Presenter: Divyanshu Mishra, University of Oxford, United Kingdom</i>
4968	Poster Session 4	A169 (Fri-AM)	WaveFormer: A 3D Transformer with Wavelet-Driven Feature Representation for Efficient Medical Image Segmentation <i>Authors: Md Mahfuz Al Hasan, Mahdi Zaman, Abdul Jawad, Alberto Santamaria-Pang, Ho Hin Lee, Ivan Tarapov, Kyle B. See, Md Shah Imran, Antika Roy, Yaser Pourmohammadi Fallah, Navid Asadizanjani, Reza Forghani</i>

			<i>Presenter: Kyle See, University of Florida, United States</i>
4977	Poster Session 1	A331 (Wed-PM)	XOCT: Enhancing OCT to OCTA Translation via Cross-Dimensional Supervised Multi-Scale Feature Learning <i>Authors: Pooya Khosravi, Kun Han, Anthony T. Wu, Arghavan Rezvani, Zexin Feng, Xiaohui Xie</i> <i>Presenter: Pooya Khosravi, University of California, Irvine, United States</i>
4981	Poster Session 4	B224 (Fri-AM)	Unsupervised Structure-Geometric Consistency for Monocular Endoscopic Depth Overestimation <i>Authors: Wenkang Fan, Enqi Qiu, Hongzhi Xu, Xiongbiao Luo</i> <i>Presenter: Wenkang Fan, Xiamen University, China</i>
4995	Poster Session 2	A247 (Thu-AM)	Probabilistic Inverse Consistent Image Registration Using Sparse Bayesian Network <i>Authors: Shenglong Yang, Kangrong Xu, Zefeng He, Tianchao Feng, Xuan Yang</i> <i>Presenter: Shenglong Yang, Shenzhen University, China</i>
5008	Poster Session 4	A24 (Fri-AM)	PRECISE-AS: Personalized Reinforcement Learning for Efficient Point-of-Care Echocardiography in Aortic Stenosis Diagnosis <i>Authors: Armin Saadat, Nima Hashemi, Hooman Vaseli, Michael Y. Tsang, Christina Luong, Michiel Van de Panne, Teresa S. M. Tsang, Purang Abolmaesumi</i> <i>Presenter: Armin Saadat, University of British Columbia, Canada</i>
5017	Poster Session 3	A243 (Thu-PM)	ODES: Online Domain Adaptation with Expert Guidance for Medical Image Segmentation <i>Authors: Md Shazid Islam, Sayak Nag, Arindam Dutta, Sk Miraj Ahmed, Fahim Faisal Niloy, Shreyangshu Bera, Amit K. Roy-Chowdhury</i> <i>Presenter: Md Shazid Islam, University of California Riverside, United States</i>
5019	Poster Session 4	B229 (Fri-AM)	T2GS: Comprehensive Reconstruction of Dynamic Surgical Scenes with Gaussian Splatting <i>Authors: Jinjing Xu, Chenyang Li, Peng Liu, Micha Pfeiffer, Liwen Liu, Reuben Docea, Martin Wagner, Stefanie Speidel</i> <i>Presenter: Jinjing Xu, NCT, Dresden, Germany</i>
5020	Poster Session 1	C201 (Wed-PM)	TRRG: Towards Truthful Radiology Report Generation With Cross-modal Disease Clue Enhanced Large Language Models <i>Authors: Yuhao Wang, Yue Sun, Tao Tan, Chao Hao, Yawen Cui, Xinqi Su, Weichen Xie, Linlin Shen, Zitong Yu</i> <i>Presenter: Yuhao Wang, University of Science and Technology of China, China</i>
5025	Poster Session 1	A116 (Wed-PM)	Augmented Reality-based Guidance with Deformable Registration in Head and Neck Tumor Resection <i>Authors: Qingyun Yang, Fangjie Li, Jiayi Xu, Zixuan Liu, Sindhura Sridhar, Whitney Jin, Jennifer Du, Jon Heiselman, Michael Miga, Michael Topf, Jie Ying Wu</i> <i>Presenter: Qingyun Yang, Vanderbilt University, United States</i>
5026	Poster Session 1	A296 (Wed-PM)	Resolving the Overlap of Macrovascular and Microvascular Flow Components in Digital Subtraction Angiography for Cerebral Reperfusion Assessment <i>Authors: Chengchuan Wu, Catherine Davey, Gagan Sharma, Felix Ng</i> <i>Presenter: Chengchuan Wu, The University of Melbourne, Australia</i>
5042	Poster Session 1	A301 (Wed-PM)	FluoroSAM: A Language-promptable Foundation Model for Flexible X-ray Image Segmentation <i>Authors: Benjamin D. Killeen, Liam J. Wang, Blanca Iñigo, Han Zhang, Mehran Armand, Russell H. Taylor, Greg Osgood, Mathias Unberath</i> <i>Presenter: Benjamin Killeen, Johns Hopkins University, United States</i>
5051	Poster Session 5	A185 (Fri-PM)	Subtyping Breast Lesions via Generative Augmentation based Long-tailed Recognition in Ultrasound <i>Authors: Shijing Chen, Xinrui Zhou, Yuhao Wang, Yuhao Huang, Ao Chang, Dong Ni, Ruobing Huang</i> <i>Presenter: Shijing Chen, Shenzhen University, China</i>

5080	Poster Session 5	A155 (Fri-PM)	Scalp Diagnostic System With Label-Free Segmentation and Training-Free Image Translation <i>Authors: Youngmin Kim, Saejin Kim, Hoyeon Moon, Youngjae Yu, Junhyug Noh</i> <i>Presenter: Youngmin Kim, Yonsei University, Republic of Korea</i>
5096	Poster Session 5	A240 (Fri-PM)	Synchronous Inhibition and Activation for Weakly Supervised Semantic Segmentation of Pathology Images <i>Authors: Jiansong Fan, Yicheng Di, Jiayu Bao, Lihua Li, Xiang Pan</i> <i>Presenter: Jiansong Fan, Jiangnan University, China</i>
5107	Poster Session 3	A58 (Thu-PM)	Solving Medical Multi-Label Domain Adaptation via Wasserstein Adversarial Learning with Class-Level Alignment <i>Authors: Wenjie Liu, Fuyou Miao, Xu Wang</i> <i>Presenter: Wenjie Liu, University of Science and Technology of China, China</i>
5109	Poster Session 4	B334 (Fri-AM)	Probabilistic Prior-Guided Anatomical Alignment for MRI Super-Resolution <i>Authors: Yiwen Luo, Xiaoying Tang, Yixuan Yuan</i> <i>Presenter: Yiwen Luo, City University of Hong Kong, China</i>
5126	Poster Session 3	A63 (Thu-PM)	Domain-Adaptive Diagnosis of Lewy Body Disease with Transferability Aware Transformer <i>Authors: Xiaowei Yu, Jing Zhang, Tong Chen, Yan Zhuang, Minheng Chen, Chao Cao, Yanjun Lyu, Lu Zhang, Li Su, Tianming Liu, Dajiang Zhu</i> <i>Presenter: Tong Chen, University of Texas at Arlington, United States</i>
5129	Poster Session 5	B285 (Fri-PM)	SPromptGL: Semantic Prompt Guided Graph Learning for Multi-modal Brain Disease <i>Authors: Xixi Wan, Bo Jiang, Shihao Li, Aihua Zheng</i> <i>Presenter: Xixi Wan, Anhui University, China</i>
5132	Poster Session 1	A306 (Wed-PM)	Pathology-aware Virtual H&E Staining of Section-free Thick Tissues with Semantic Contrastive Guidance <i>Authors: Jintaek Oh, Lulin Shi, Terence T. W. Wong</i> <i>Presenter: Jintaek Oh, The Hong Kong University of Science and Technology, Hong Kong SAR</i>
5135	Poster Session 1	A321 (Wed-PM)	Med-BiasX: Robust Medical Visual Question Answering with Language Biases <i>Authors: Huanjia Zhu, Yishu Liu, Chengju Zhou, Guangming Lu, Bingzhi Chen</i> <i>Presenter: Yishu Liu, Harbin Institute of Technology, China</i>
5136	Poster Session 4	A189 (Fri-AM)	Reflect: Rectified Flows for Efficient Brain Anomaly Correction Transport. <i>Authors: Farzad Beizaei, Sina Hajimiri, Ismail Ben Ayed, Gregory Lodygensky, Christian Desrosiers, Jose Dolz</i> <i>Presenter: Farzad Beizaei, École de technologie supérieure, Canada</i>
5140	Poster Session 4	A329 (Fri-AM)	Dynamic-Aware Spatio-temporal Representation Learning for Dynamic MRI Reconstruction <i>Authors: Dayoung Baik, Jaejun Yoo</i> <i>Presenter: Dayoung Baik, Ulsan National Institute of Science and Technology, Republic of Korea</i>
5153	Poster Session 1	A311 (Wed-PM)	Unleashing the Power of LLMs for Medical Video Answer Localization <i>Authors: Junbin Xiao, Qingyun Li, Yusen Yang, Liang Qiu, Angela Yao</i> <i>Presenter: Junbin Xiao, National University of Singapore, Singapore</i>
5171	Poster Session 3	A288 (Thu-PM)	Sparse3Diff: A Diffusion Framework for 3D Reconstruction from Sparse 2D Slices in Volumetric Optical Imaging <i>Authors: Hyun Jung Lee, Eunjung Jo, Minjoo Lim, Young-Han Son, Bogyee Kang, Hyeonyeong Nam, Ji-Hoon Jeong, Dong-Hee Shin, Tae-Eui Kam</i> <i>Presenter: Hyun Jung Lee, Korea University, Republic of Korea</i>

5180	Poster Session 3	A293 (Thu-PM)	Uncertainty-aware Diffusion and Reinforcement Learning for Joint Plane Localization and Anomaly Diagnosis in 3D Ultrasound <i>Authors: Yuhao Huang, Yueyue Xu, Haoran Dou, Jiaxiao Deng, Xin Yang, Hongyu Zheng, Dong Ni</i> <i>Presenter: Yuhao Huang, Shenzhen University, China</i>
5182	Poster Session 5	A245 (Fri-PM)	Estimating Bone Mineral Density and Muscle Mass from EOS Low Dose X-ray Imaging System <i>Authors: Kazuki Suehara, Yi Gu, Yoshito Otake, Keisuke Uemura, Masashi Okamoto, Kunihiko Tokunaga, Hugues Talbot, Yoshinobu Sato</i> <i>Presenter: Yoshito Otake, Nara Institute of Science and Technology, Japan</i>
5183	Poster Session 3	A68 (Thu-PM)	AEM: Attention Entropy Maximization for Multiple Instance Learning based Whole Slide Image Classification <i>Authors: Yunlong Zhang, Honglin Li, Yuxuan Sun, Zhongyi Shui, Jingxiong Li, Chenglu Zhu, Lin Yang</i> <i>Presenter: Yunlong Zhang, Westlake University, China</i>
5190	Poster Session 5	B30 (Fri-PM)	ShareLink: Neuro-Inspired EEG-based Cross-Subject Emotion Recognition via Shared Bi-hemisphere <i>Authors: Zixuan Huang, Lingyao Kong, Licheng Ao, Shiyi Yao, An Xiang, Fen Miao</i> <i>Presenter: Zixuan Huang, Shenzhen institutes of Advanced Technology, Chinese Academy of Sciences, China</i>
5205	Poster Session 5	B295 (Fri-PM)	ClinGRAD: Clinically-Guided Genomics and Radiomics Interpretable GNN for Dementia Diagnosis <i>Authors: Salma Hassan, Mostafa Salem, Vijay Ram Kumar Papineni, Ayman Elsayed, Mohammad Yaqub</i> <i>Presenter: Salma Hassan, Mohamed Bin Zayed University of Artificial Intelligence, United Arab Emirates</i>
5209	Poster Session 5	B300 (Fri-PM)	Graph Laplacian Transformer with Progressive Sampling for Prostate Cancer Grading <i>Authors: Masum Shah Junayed, John Derek Van Vessem, Qian Wan, Gahie Nam, Sheida Nabavi</i> <i>Presenter: Sheida Nabavi, University of Connecticut, United States</i>
5223	Poster Session 2	B22 (Thu-AM)	DiffOSeg: Omni Medical Image Segmentation via Multi-Expert Collaboration Diffusion Model <i>Authors: Han Zhang, Xiangde Luo, Yong Chen, Kang Li</i> <i>Presenter: Han Zhang, Sichuan University, China</i>
5230	Poster Session 2	A252 (Thu-AM)	Multimodal Prompt Sequence Learning for Interactive Segmentation of Vascular Structures <i>Authors: Jongsoo Lim, Soochahn Lee</i> <i>Presenter: Jongsoo Lim, Kookmin University, Republic of Korea</i>
5236	Poster Session 1	B296 (Wed-PM)	You Can Detect It: Fetal Biometric Estimation Using Ellipse Detection <i>Authors: Hongyuan Zhang, Haoyu Xie, Tingting Ye, Songxiong Wu</i> <i>Presenter: Hongyuan Zhang, Hong Kong Institute of Science & Innovation, Hong Kong SAR</i>
5247	Poster Session 5	A250 (Fri-PM)	Improved Tumor Segmentation using Selective Synthetic Augmentation for Enhanced Surgical Planning in Breast MRI <i>Authors: Miguel Luna, John Baek, Won Hwa Kim, Wan Gyu Son, Kwang Min Lee, Hye Jung Kim, Jaeil Kim</i> <i>Presenter: Miguel Luna, BeamWorks, Republic of Korea</i>
5250	Poster Session 5	A255 (Fri-PM)	MedICL: In-Context Learning for Semantically Enhanced AKI Prediction in Cardiac Surgery <i>Authors: Chenyang Su, Yishun Wang, Boqiang Xu, Rong Feng, Lei Du, Hongbin Liu, Gaofeng Meng</i> <i>Presenter: Chenyang Su, City University of Hong Kong, China</i>

5263	Poster Session 5	B305 (Fri-PM)	MindLink: Subject-agnostic Cross-Subject Brain Decoding Framework <i>Authors: Sungyoon Jung, Donghyun Lee, Won Hwa Kim</i> <i>Presenter: Won Hwa Kim, Pohang University of Science and Technology, Republic of Korea</i>
5275	Poster Session 4	A334 (Fri-AM)	Oblique Genomics Mixture of Experts: Prediction of Brain Disorder With Aging-Related Changes of Brain's Structural Connectivity Under Genomic Influences <i>Authors: Yanjun Lyu, Jing Zhang, Lu Zhang, Wei Ruan, Tianming Liu, Dajiang Zhu</i> <i>Presenter: Dajiang Zhu, University of Texas at Arlington, United States</i>
5303	Poster Session 4	A319 (Fri-AM)	Anatomy-Conserving Unpaired CBCT-to-CT Translation via Schrödinger Bridge <i>Authors: Ke Shi, Song Ouyang, Gang Liu, Yong Luo, Kehua Su, Zhiwen Liang, Bo Du</i> <i>Presenter: Ke Shi, Wuhan University, China</i>
5332	Poster Session 5	A160 (Fri-PM)	GA-SAM: Geometry-Aware SAM Adaptation with Sparse Annotation-Driven Point Cloud Completion <i>Authors: Shumeng Li, Jian Zhang, Lei Qi, Yinghuan Shi</i> <i>Presenter: Shumeng Li, Nanjing University, China</i>
5335	Poster Session 1	B301 (Wed-PM)	Non-Invasive TB Detection using Acoustic and Semantic Features from Cough Sounds <i>Authors: Yasmeena Akhter, Rishabh Ranjan, Bikash Dutta, Mayank Vatsa, Richa Singh</i> <i>Presenter: Yasmeena Akhter, Indian Institute of Technology Jodhpur, India</i>
5352	Poster Session 2	B227 (Thu-AM)	From Variability To Accuracy: Conditional Bernoulli Diffusion Models with Consensus-Driven Correction for Thin Structure Segmentation <i>Authors: Jinseo An, Min Jin Lee, Kyu Won Shim, Helen Hong</i> <i>Presenter: Jinseo An, Seoul Women's University, Republic of Korea</i>
5358	Poster Session 3	A298 (Thu-PM)	SSPNet: Towards Feasible Spatio-Spectral Portraits-Based Deep Learning Framework for Neurodegenerative Disease Multi-Classification <i>Authors: Ho-Jung Kim, Dogeun Park, Jeong-Woo Jang, Young-Gi Ju, Dong-Ok Won</i> <i>Presenter: Dogeun Park, Cerebrovascular Disease Research Center, Hallym University, Republic of Korea</i>
5388	Poster Session 5	B310 (Fri-PM)	A Model Order-Free Method for Stable States Extraction in Dynamic Functional Connectivity <i>Authors: Songke Fang, Vince D. Calhoun, Godfrey Pearlson, Peter Kochunov, Theo G.M. van Erp, Yuhui Du</i> <i>Presenter: Songke Fang, Shanxi University, China</i>
5400	Poster Session 2	C62 (Thu-AM)	MARSeg: Enhancing Medical Image Segmentation with MAR and Adaptive Feature Fusion <i>Authors: Jeonghyun Hwang, Seungyeon Rhee, Minjeong Kim, Thanaporn Viriyasaranon, Jang-Hwan Choi</i> <i>Presenters: Seungyeon Rhee and Minjeong Kim, Ewha Womans University, Republic of Korea</i>
5402	Poster Session 2	A257 (Thu-AM)	PDC-Net: Pattern Divide-and-Conquer Network for Pelvic Radiation Injury Segmentation <i>Authors: Xinyu Xiong, Wuteng Cao, Zihuang Wu, Lei Zhang, Chong Gao, Guanbin Li, Qiyuan Qin</i> <i>Presenter: Chong Gao, Sun Yat-sen University, China</i>
5411	Poster Session 1	B306 (Wed-PM)	MSGFlowNet: Learning Effective Connectivity Network based on Sparse Generative Flow Network from fMRI and EEG Data <i>Authors: Zhihao Su, Jihao Zhai, Junzhong Ji, Jinduo Liu</i> <i>Presenter: Jinduo Liu, Beijing University of Technology, China</i>
5412	Poster Session 3	A73 (Thu-PM)	Contour Makes It Stronger: Cross-Domain Cephalometric Landmark Detection Based on Contour Priors <i>Authors: Xinyue Liang, Runnan Chen, Guangshun Wei, Shaojie Zhuang, Yuanfeng Zhou</i> <i>Presenter: Yuanfeng Zhou, Shandong University, China</i>

5419	Poster Session 5	A260 (Fri-PM)	A Prior-Driven Lightweight Network for Endoscopic Exposure Correction <i>Authors: Zhijian Wu, Hong Wang, Yuxuan Shi, Dingjiang Huang, Yefeng Zheng</i> <i>Presenter: Zhijian Wu, Westlake University, China</i>
5424	Poster Session 5	A265 (Fri-PM)	PolypSegTrack: Unified Foundation Model for Colonoscopy Video Analysis <i>Authors: Anwesa Choudhuri, Zhongpai Gao, Meng Zheng, Benjamin Planche, Terrence Chen, Ziyang Wu</i> <i>Presenter: Anwesa Choudhuri, United Imaging Intelligence, United States</i>
5426	Poster Session 3	C333 (Thu-PM)	MELON: Multimodal Mixture-of-Experts with Spectral-Temporal Fusion for Long-Term MObility Estimation in Critical Care <i>Authors: Jiaqing Zhang, Miguel Contreras, Jessica Sena, Andrea Davidson, Yuanfang Ren, Ziyuan Guan, Tezcan Ozrazgat-Baslanti, Tyler J. Loftus, Subhash Nerella, Azra Bihorac, Parisa Rashidi</i> <i>Presenter: Subhash Nerella, University of Florida, United States</i>
5428	Poster Session 3	A98 (Thu-PM)	MIBF-Net: Multi-modal Information Balanced Fusion Network for Clinical Diagnosis via Patient Narratives and Lesion Image <i>Authors: Zixuan Tang, Bai Sun, Shidan He, Yuan Hong, Dongdong Yu, Zhenzhong Liu, Mengtang Li, Bin Chen, Shen Zhao</i> <i>Presenter: Zixuan Tang, Sun Yat-Sen University, China</i>
5442	Poster Session 5	A5 (Fri-PM)	Automated Detection of BK Virus in H&E Whole-Slide Images Using Weakly-Supervised Deep Learning and Interpretable Morphological Biomarkers <i>Authors: Sharifa Sahai, Ana D. Ramos-Guerra, Cristina Almagro-Pérez, Guillaume Jaume, Andrew Zhang, Helmut Rennke, Astrid Weins, Juan E. Ortuño, Maria J. Ledesma-Carbayo, Faisal Mahmood</i> <i>Presenters: Sharifa Sahai, Harvard Medical School, United States and Ana D. Ramos-Guerra, Universidad Politécnica de Madrid, Spain</i>