

# MICCAI 2022 Tentative Program – updated August 18

	Monday, September 19, 2022	Tuesday, September 20, 2022	Wednesday, September 21, 2022
8:30	Opening Ceremony	Challenge	
9:00			Oral 7 Surgical Planning & Simulation
9:30	Oral 1 Computer Aided Diagnosis	Oral 4 Image Reconstruction & Registration	MICCAI2022 Debate: Is AI ready for primetime adoption in medical imaging?
10:00			
10:30	Poster 1 Computer Aided Diagnosis I	Poster 4 Image Segmentation, Registration & Reconstruction I	Poster 7 Image Segmentation, Registration & Reconstruction III
11:00	& Coffee Break	& Coffee Break	& Coffee Break
11:30			
12:00	Keynote I	Keynote 2	Keynote 3
12:30			
13:00	Lunch Break	Lunch Break	Lunch Break
13:30			
14:00	Oral 2 Uncertainty & Interpretability	Oral 5 Microscopy Image Analysis	Oral 8 Integration Beyond Imaging
14:30	Poster 2 Computer Aided Diagnosis II	Poster 5 Computational Physiology and Pathology	
15:00	& Coffee Break	& Coffee Break	Poster 8 Machine Learning Algorithms and Applications
15:30			& Coffee Break
16:00	Oral 3 Surgical Data Science	Oral 6 Image Segmentation	
16:30			Assembly
17:00			Award & Closing
17:30	Poster 3 Computer-Assisted Interventions	Poster 6 Image Segmentation, Registration & Reconstruction II	
	& Coffee Break	& Coffee Break	

## I. Oral Presentations

<b>Oral 1: Computer Aided Diagnosis</b>			
<b>Paper ID</b>	<b>Paper Title</b>	<b>Presenter and registration status (as of Aug 26)</b>	<b>Presentation Mode</b>
1579	Detecting Aortic Valve Pathology from the 3-Chamber Cine Cardiac MRI View	Vimalesvaran, Kavitha (Registered)	In Person
1608	Reinforcement learning for active modality selection during diagnosis	Bernardino, Gabriel (Registered)	In Person
1698	Contrastive learning for echocardiographic view integration	Cheng, Li-Hsin (Registered)	In Person
1938	Intra-class Contrastive Learning Improves Computer Aided Diagnosis of Breast Cancer in Mammography	You, Kihyun (Registered)	In Person
1987	Intervention & Interaction Federated Abnormality Detection with Noisy Clients	Liu, Xinyu (Registered)	In Person
2316	FairPrune: Achieving Fairness Through Pruning for Dermatological Disease Diagnosis	Wu, Yawen (Not Registered)	Virtual

<b>Oral 2: Interpretability/Uncertainty</b>			
<b>Paper ID</b>	<b>Paper Title</b>	<b>Presenter and registration status (as of Aug 26)</b>	<b>Presentation Mode</b>
324	Interpretable Graph Neural Networks for Connectome-Based Brain Disorder Analysis	Cui, Hejie (Not Registered)	In Person
1328	What can we learn about a generated image corrupting its latent representation?	Tomczak, Agnieszka (Registered)	In Person
1476	Dual-graph Learning Convolutional Networks for Interpretable Alzheimer's Disease Diagnosis	Xiao, Tingsong (Registered)	Virtual
2344	Accurate and Explainable Image-based Prediction Using a Lightweight Generative Model	Mauri, Chiara (Registered)	In Person

### Oral 3: Surgical Data Science

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode
280	Bayesian dense inverse searching algorithm for real-time stereo matching in minimally invasive surgery	Song, Jingwei (Registered)	Virtual
1091	Neural Rendering for Stereo 3D Reconstruction of Deformable Tissues in Robotic Surgery	Wang, Yuehao (Registered)	In Person
1162	Towards Holistic Surgical Scene Understanding	Valderrama, Natalia (Registered)	In Person
1512	4D-OR: Semantic Scene Graphs for OR Domain Modeling	Özsoy, Ege (Registered)	In Person
2320	Surgical Gesture Recognition with Hierarchical Action Space based Reinforcement Learning	Ge, Zongyuan (Registered)	In Person
2513	Video-based Surgical Skills Assessment using Long term Tool Tracking	Sarhan, Mohammad Hasan (Registered)	In Person

### Oral 4: Image Reconstruction & Registration

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode
15	SVoRT: Iterative Transformer for Slice-to-Volume Registration in Fetal Brain MRI	Xu, Junshen (Registered)	Virtual
974	NAF: Neural Attenuation Fields for Sparse-View CBCT Reconstruction	Zha, Ruyi (Registered)	In Person
1226	Deep Motion Network for Freehand 3D Ultrasound Reconstruction	Luo, Mingyuan (Registered)	In Person
1782	Towards performant and reliable undersampled MR reconstruction via diffusion model sampling	Peng, Cheng (Registered)	Virtual
1852	BMD-GAN: Bone mineral density estimation using x-ray image decomposition into projections of bone-segmented quantitative computed tomography using hierarchical learning	Gu, Yi (Registered)	In Person
2428	Fast Spherical Mapping of Cortical Surface Meshes using Deep Unsupervised Learning	Zhao, Fenqiang (Registered)	Virtual

## Oral 5: Microscopy Image Analysis

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode
735	Implicit Neural Representations for Generative Modeling of Living Cell Shapes	Wiesner, David (Registered)	In Person
1173	Gigapixel Whole-Slide Images Classification using Locally Supervised Learning	Zhang, Xin (Registered)	In Person
1447	Discrepancy and Gradient-guided Multi-Modal Knowledge Distillation for Pathological Glioma Grading	Xing, Xiaohan (Registered)	Virtual
1454	Super-Focus: Domain Adaptation for Embryo Imaging via Self-Supervised Focal Plane Regression	He, Peter (Registered)	In Person

## Oral 6: Image Segmentation

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode
239	CACTUSS: Common Anatomical CT-US Space for US examinations	Velikova, Yordanka (Registered)	In Person
1473	Transformer based feature fusion for left ventricle segmentation in 4D flow MRI	Sun, Xiaowu (Registered)	In Person
1504	Self-learning and One-shot Learning based Single-slice Annotation for 3D Medical Image Segmentation	Wu, Yixuan (Registered)	Virtual
1693	DOMINO: Domain-aware Model Calibration in Medical Image Segmentation	Stolte, Skylar (Registered)	In Person
2156	Carbon Footprint of Selecting and Training Deep Learning Models for Medical Image Analysis	Selvan, Raghavendra (Registered)	Virtual
2184	Physiology-based simulation of the retinal vasculature enables annotation-free segmentation of OCT angiographs	Menten, Martin J. (Registered)	In Person

## Oral 7: Surgical Planning & Simulation

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode
144	Deep Learning-based Facial Appearance Simulation Driven by Surgically Planned Craniomaxillofacial Bony Movement	Fang, Xi (Registered)	Virtual
1527	Ideal Midsagittal Plane Detection using Deep Hough Plane Network for Brain Surgical Planning	Zhou, Wenxue (Not registered)	Virtual
1806	SLAM-TKA: Real-time Intra-operative Measurement of Tibial Resection Plane in Conventional Total Knee Arthroplasty	Zhang, Shuai (Registered)	In Person
2496	Deep Geometric Supervision Improves Spatial Generalization in Orthopedic Surgery Planning	Kordon, Florian (Registered)	In Person

## Oral 8: Integration Beyond Imaging

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode
194	Tagged-MRI Sequence to Audio Synthesis via Self Residual Attention Guided Heterogeneous Translator	Liu, Xiaofeng (Registered)	In Person
417	TranSQ: Transformer-based Semantic Query for Medical Report Generation	Kong, Ming (Registered)	Virtual
1279	Identify Consistent Imaging Genomic Biomarkers for Characterizing the Survival-associated Interactions between Tumor-infiltrating Lymphocytes and Tumors	Zuo, Yingli (Registered)	Virtual
1682	Multimodal-GuideNet: Gaze-Probe Bidirectional Guidance in Obstetric Ultrasound Scanning	Men, Qianhui (Registered)	In Person
2619	Fusing Modalities by Multiplexed Graph Neural Networks for Outcome Prediction in Tuberculosis	Syeda-Mahmood, Tanveer (Registered)	In Person
2742	Extended Electrophysiological Source Imaging with Spatial Graph Filters	Liu, Feng (Registered)	Virtual

## II. Poster Session Assignment

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
8	Poisson2Sparse: Self-Supervised Poisson Denoising From a Single Image	Ta, Calvin-Khang (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
10	Undersampled MRI Reconstruction with Side Information-Guided Normalisation	Liu, Xinwen (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
15	SVoRT: Iterative Transformer for Slice-to-Volume Registration in Fetal Brain MRI	Xu, Junshen (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
16	BoxPolyp: Boost Generalized Polyp Segmentation using Extra Coarse Bounding Box Annotations	Wei, Jun (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
17	Calibrating Label Distribution for Class-Imbalanced Barely-Supervised Knee Segmentation	Lin, Yiqun (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
21	Double-Uncertainty Guided Spatial and Temporal Consistency Regularization Weighting for Learning-based Abdominal Registration	Xu, Zhe (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
29	FUSSNet: Fusing Two Sources of Uncertainty for Semi-Supervised Medical Image Segmentation	Xiang, Jinyi (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
31	An End-to-End Combinatorial Optimization Method for R-band Chromosome Recognition with Grouping Guided Attention	Xia, Chao (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
36	AANet: Artery-Aware Network for Pulmonary Embolism Detection in CTPA Images	Guo, Jia (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
41	Noise2SR: Learning to Denoise from Super-Resolved Single Noisy Fluorescence Image	Zhang, Yuyao (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
42	RPLHR-CT Dataset and Transformer Baseline for Volumetric Super-Resolution from CT Scans	Zhang, Haoyue (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
45	Unsupervised Deformable Image Registration with Absent Correspondences in Pre-operative and Post-Recurrence Brain Tumor MRI Scans	Mok, Tony C. W. (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
49	An Inclusive Task-Aware Framework for Radiology Report Generation	Wang, Lin (Not Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
50	Structure-consistent Restoration Network for Cataract Fundus Image Enhancement	Li, Heng (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
53	Hybrid Graph Transformer for Tissue Microstructure Estimation with Undersampled Diffusion MRI Data	Chen, Geng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
60	Siamese Encoder-based Spatial-Temporal Mixer for Growth Trend Prediction of Lung Nodules on CT Scans	Wang, Jingwen (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
63	A Learnable Variational Model for Joint Multimodal MRI Reconstruction and Synthesis	Zhang, Qingchao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
77	UNeXt: MLP-based Rapid Medical Image Segmentation Network	Valanarasu, Jeya Maria Jose (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
81	Exploring Smoothness and Class-Separation for Semi-supervised Medical Image Segmentation	Wu, Yicheng (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
90	Removal of Confounders via Invariant Risk Minimization for Medical Diagnosis	Zare, Samira (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
106	Semi-supervised histological image segmentation via hierarchical consistency enforcement	Jin, Qiangguo (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
107	Federated Stain Normalization for Computational Pathology	Fuchs, Moritz (Registered)	In Person	Computational Physiology & Pathology	Poster 5
114	A Self-Guided Framework for Radiology Report Generation	Li, Jun (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
115	What Makes for Automatic Reconstruction of Pulmonary Segments	Kuang, Kaiming (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
117	Neural Annotation Refinement: Development of a New 3D Dataset for Adrenal Gland Analysis	Yang, Jiancheng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
121	Autofocusing+: Noise-Resilient Motion Correction in Magnetic Resonance Imaging	Kuzmina, Yekaterina (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
125	Low-Resource Adversarial Domain Adaptation for Cross-Modality Nucleus Detection	Xing, Fuyong (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
127	Domain Specific Convolution and High Frequency Reconstruction based Unsupervised Domain Adaptation for Medical Image Segmentation	Hu, Shishuai (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
130	Weighted Concordance Index Loss-based Multimodal Survival Modeling for Radiation Encephalopathy Assessment in Nasopharyngeal Carcinoma Radiotherapy	Li, Anwei (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
133	CS2: A Controllable and Simultaneous Synthesizer of Images and Annotations with Minimal Human Intervention	Xing, Xiaodan (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
136	Uncertainty-Guided Lung Nodule Segmentation with Feature-Aware Attention	Yang, Han (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
139	Unsupervised Domain Adaptive Fundus Image Segmentation with Category-level Regularization	Wu, Yicheng (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
142	Overlooked Trustworthiness of Saliency Maps	Zhang, Jiajin (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
144	Deep Learning-based Facial Appearance Simulation Driven by Surgically Planned Craniomaxillofacial Bony Movement	Fang, Xi (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
148	Contrastive Functional Connectivity Graph Learning for Population-based fMRI Classification	Wang, Xuesong (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
151	Degradation-invariant Enhancement of Fundus Images via Pyramid Constraint Network	Liu, Haofeng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
153	SATr: Slice Attention with Transformer for Universal Lesion Detection	Li, Han (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
158	Thoracic Lymph Node Segmentation in CT imaging via Lymph Node Station Stratification and Size Encoding	Wang, Puyang (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
159	ACT: Semi-supervised Domain-adaptive Medical Image Segmentation with Asymmetric Co-Training	Liu, Xiaofeng (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
164	DGMIL: Distribution Guided Multiple Instance Learning for Whole Slide Image Classification	Qu, Linhao (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
166	Flexible Sampling for Long-tailed Skin Lesion Classification	Ju, Lie (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
175	On the Dataset Quality Control for Image Registration Evaluation	Luo, Jie (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
176	Few-shot Medical Image Segmentation Regularized with Self-reference and Contrastive Learning	Wang, Runze (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
179	Joint Graph Convolution for Analyzing Brain Structural and Functional Connectome	Li, Yueting (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
193	Shape-Aware Weakly/Semi-Supervised Optic Disc and Cup Segmentation with Regional/Marginal Consistency	Meng, Yanda (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
194	Tagged-MRI Sequence to Audio Synthesis via Self Residual Attention Guided Heterogeneous Translator	Liu, Xiaofeng (Registered)	In Person	Computational Physiology & Pathology	Poster 5
199	A Sense of Direction in Biomedical Neural Networks	Liu, Zewen (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
202	A Novel Deep Learning System for Breast Lesion Risk Stratification in Ultrasound Images	Liu, Ting (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
217	MAL: Multi-modal attention learning for tumor diagnosis based on bipartite graph and multiple branches	Jiao, Menglei (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1



Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
232	Deep treatment response assessment and prediction of colorectal cancer liver metastases	Conze, Pierre-Henri (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
233	D'ARTAGNAN: Counterfactual Video Generation	Reynaud, Hadrien (Registered)	In Person	Computational Physiology & Pathology	Poster 5
235	ReMix: A General and Efficient Framework for Multiple Instance Learning based Whole Slide Image Classification	Yang, Jiawei (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
239	CACTUSS: Common Anatomical CT-US Space for US examinations	Velikova, Yordanka (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
240	Neuro-RDM: An Explainable Neural Network Landscape of Reaction-Diffusion Model for Cognitive Task Recognition	Dan, Tingting (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
249	Accurate and Robust Lesion RECIST Diameter Prediction and Segmentation with Transformers	Cao, Zhenjie (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
252	Stroke lesion segmentation from low-quality and few-shot MRIs via similarity-weighted self-ensembling framework	Zhang, Dong (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
256	Learning-based US-MR Liver Image Registration with Spatial Priors	Zeng, Qi (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
272	Adaptive 3D Localization of 2D Freehand Ultrasound Brain Images	Yeung, Pak-Hei (Registered)	In Person	Computer-Assisted Interventions	Poster 3
279	S3R: Self-supervised Spectral Regression for Hyperspectral Histopathology Image Classification	Xie, Xingran (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
280	Bayesian dense inverse searching algorithm for real-time stereo matching in minimally invasive surgery	Song, Jingwei (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
281	Real-Time 3D Reconstruction of Human Vocal Folds via High-Speed Laser-Endoscopy	Henningson, Jann-Ole (Registered)	In Person	Computer-Assisted Interventions	Poster 3
284	INSightR-Net: Interpretable Neural Network for Regression using Similarity-based Comparisons to Prototypical Examples	Hesse, Linde (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
288	Physically Inspired Constraint for Unsupervised Regularized Ultrasound Elastography	K. Z. Tehrani, Ali (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
295	Automating Blastocyst Formation and Quality Prediction in Time-Lapse Imaging with Adaptive Key Frame Selection	Chen, Tingting (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
300	Edge-oriented Point-cloud Transformer for 3D Intracranial Aneurysm Segmentation	Liu, Yifan (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
303	Optimal MRI Undersampling Patterns for Pathology Localization	Razumov, Artem (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
313	Towards Unsupervised Ultrasound Video Clinical Quality Assessment with Multi-Modality Data	Zhao, He (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
316	Unsupervised Cross-Disease Domain Adaptation by Lesion Scale Matching	Lao, Qicheng (Not Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
323	Distilling Knowledge from Topological Representations for Pathological Complete Response Prediction	Du, Shiyi (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
324	Interpretable Graph Neural Networks for Connectome-Based Brain Disorder Analysis	Cui, Hejie (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
332	Adversarial Consistency for Single Domain Generalization in Medical Image Segmentation	Xu, Yanwu (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
333	Dual-Branch Squeeze-Fusion-Excitation Module for Cross-Modality Registration of Cardiac SPECT and CT	Chen, Xiongchao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
345	Atlas-powered deep learning (ADL) - application to diffusion weighted MRI	Karimi, Davood (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
347	Only-Train-Once MR Fingerprinting for Magnetization Transfer Contrast Quantification	Kang, Beomgu (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
353	Disentangle then Calibrate: Selective Treasure Sharing for Generalized Rare Disease Diagnosis	Chen, Yuanyuan (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
358	Semi-Supervised Medical Image Classification with Temporal Knowledge-Aware Regularization	Yang, Qiushi (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
359	Rib Suppression in Digital Chest Tomosynthesis	Sun, Yihua (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
361	Stabilize, Decompose, and Denoise: Self-Supervised Fluoroscopy Denoising	Liu, Ruizhou (Not Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
362	Progression models for imaging data with Longitudinal Variational Auto Encoders	Sauty, Benoît (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
363	mmFormer: Multimodal Medical Transformer for Incomplete Multimodal Learning of Brain Tumor Segmentation	Zhang, Yao (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
368	Efficient Biomedical Instance Segmentation via Knowledge Distillation	Liu, Xiaoyu (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
371	Optimal Transport based Ordinal Pattern Tree Kernel for Brain Disease Diagnosis	Ma, Kai (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
373	Multimodal Brain Tumor Segmentation Using Contrastive Learning based Feature Comparison with Monomodal Normal Brain Images	Liu, Huabing (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
377	Conditional Generative Data Augmentation for Clinical Audio Datasets	Seibold, Matthias (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
386	AutoGAN-Synthesizer: Neural Architecture Search for Cross-Modality MRI Synthesis	Hu, Xiaobin (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
395	A Spatiotemporal Model for Precise and Efficient Fully-automatic 3D Motion Correction in OCT	Ploner, Stefan (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
398	GaitForeMer: Self-Supervised Pre-Training of Transformers via Human Motion Forecasting for Few-Shot Gait Impairment Severity Estimation	Endo, Mark (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
402	CFDA: Collaborative Feature Disentanglement and Augmentation for Pulmonary Airway Tree Modeling of COVID-19 CTs	Zhang, Minghui (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
404	Multi-scale Super-resolution Magnetic Resonance Spectroscopic Imaging with Adjustable Sharpness	Dong, Siyuan (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
406	Decoupling Predictions in Distributed Learning for Multi-Center Left Atrial MRI Segmentation	Gao, Zheyao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
408	DeSD: Self-Supervised Learning with Deep Self-Distillation for 3D Medical Image Segmentation	Ye, Yiwen (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
415	SETMIL: Spatial Encoding Transformer-based Multiple Instance Learning for Pathological Image Analysis	Zhao, Yu (Not Registered)	Virtual	Computational Physiology & Pathology	Poster 5
417	TranSQ: Transformer-based Semantic Query for Medical Report Generation	Kong, Ming (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
419	Key-frame Guided Network for Thyroid Nodule Recognition using Ultrasound Videos	Wang, Yuchen (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
420	Embedding Gradient-based Optimization in Image Registration Networks	Qiu, Huaqi (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
421	Unsupervised Deep Non-Rigid Alignment by Low-Rank Loss and Multi-Input Attention	Asanomi, Takanori (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
422	Meta-hallucinator: Towards few-shot cross-modality cardiac image segmentation	Zhao, Ziyuan (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
423	Transformer Lesion Tracker	Tang, Wen (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
427	Semi-Supervised Medical Image Segmentation Using Cross-Model Pseudo-Supervision with Shape Awareness and Local Context Constraints	Liu, Jinhua (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
429	Delving into Local Features for Open-Set Domain Adaptation in Fundus Image Analysis	Zhou, Yi (Not Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
431	Clinical-realistic Annotation for Histopathology Images with Probabilistic Semi-supervision: A Worst-case Study	Xu, Ziyue (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
434	Dynamic Bank Learning for Semi-supervised Federated Image Diagnosis with Class Imbalance	Jiang, Meirui (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
436	NestedFormer: Nested Modality-Aware Transformer for Brain Tumor Segmentation	Xing, Zhaohu (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
438	MaxStyle: Adversarial Style Composition for Robust Medical Image Segmentation	Chen, Chen (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
439	Estimating Model Performance under Domain Shifts with Class-Specific Confidence Scores	Chen, Chen (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
442	Self-supervised 3D anatomy segmentation using self-distilled masked image transformer (SMIT)	Veeraraghavan, Harini (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
447	LiftReg: Limited Angle 2D/3D Deformable Registration	Tian, Lin (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
450	Self-Supervised Depth Estimation in Laparoscopic Image using 3D Geometric Consistency	Huang, Baoru (Registered)	In Person	Computer-Assisted Interventions	Poster 3
453	Scribble-Supervised Medical Image Segmentation via Dual-Branch Network and Dynamically Mixed Pseudo Labels Supervision	Luo, Xiangde (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
458	Coronary R-CNN: Vessel-wise Method for Coronary Artery Lesion Detection and Analysis in Coronary CT Angiography	Zhang, Yu (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
464	Flat-aware Cross-stage Distilled Framework for Imbalanced Medical Image Classification	Li, Jinpeng (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
467	Diffusion Deformable Model for 4D Temporal Medical Image Generation	Kim, Boah (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
475	XMorpher: Full Transformer for Deformable Medical Image Registration via Cross Attention	He, Yuting (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
482	Semi-Supervised Spatial Temporal Attention Network for Video Polyp Segmentation	Wu, Zhenhua (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
492	Learning Robust Representation for Joint Grading of Ophthalmic Diseases via Adaptive Curriculum and Feature Disentanglement	Che, Haoxuan (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

Paper ID	Paper Title	Presenter and registration status (as of Aug 26)	Presentation Mode	Poster Session Name	Poster Session Number
495	Physiological Model based Deep Learning Framework for Cardiac TMP Recovery	Huang, Xufeng (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
497	CephalFormer: Incorporating Global Structure Constraint into Visual Features for General Cephalometric Landmark Detection	Jiang, Yankai (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
500	Tracking by weakly-supervised learning and graph optimization for whole-embryo C. elegans lineages	Hirsch, Peter (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
506	End-to-end Learning for Image-based Detection of Molecular Alterations in Digital Pathology	Teichmann, Marvin (Registered)	In Person	Computational Physiology & Pathology	Poster 5
507	Weakly-supervised Biomechanically-constrained CT/MRI Registration of the Spine	Jian, Bailiang (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
524	Reducing Positional Variance in Cross-sectional Abdominal CT Slices with Deep Conditional Generative Models	Huo, Yuankai (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
530	FFCNet: Fourier Transform-Based Frequency Learning and Complex Convolutional Network for Colon Disease Classification	Wang, Kai-Ni (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
534	MUSCLE: Multi-task Self-supervised Continual Learning to Pre-train Deep Models for X-ray Images of Multiple Body Parts	Liao, Weibin (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
537	ShapePU: A New PU Learning Framework Regularized by Global Consistency for Scribble Supervised Cardiac Segmentation	Zhang, Ke (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
539	DA-Net: Dual Branch Transformer and Adaptive Strip Upsampling for Retinal Vessels Segmentation	Wang, Changwei (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
543	Sensor Geometry Generalization to Untrained Conditions in Quantitative Ultrasound Imaging	Oh, SeokHwan (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
545	A Robust Volumetric Transformer for Accurate 3D Tumor Segmentation	Peiris, Himashi (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
547	Usable Region Estimate for Assessing Practical Usability of Medical Image Segmentation Models	Zhang, Yizhe (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
549	Mask Rearranging Data Augmentation for 3D Mitochondria Segmentation	Chen, Qi (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
557	Spatiotemporal Attention for Early Prediction of Hepatocellular Carcinoma based on Longitudinal Ultrasound Images	Zhang, Yiwen (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
559	SAPJNet: Sequence-Adaptive Prototype-Joint Network for Small Sample Multi-Sequence MRI Diagnosis	Gao, Yuqiang (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
560	NVUM: Non-Volatile Unbiased Memory for Robust Medical Image Classification	Liu, Fengbei (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

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568	Multi-view Local Co-occurrence and Global Consistency Learning Improve Mammogram Classification Generalisation	Chen, Yuanhong (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
573	Contrastive Transformer-based Multiple Instance Learning for Weakly Supervised Polyp Frame Detection	Tian, Yu (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
578	Local Graph Fusion of Multi-View MR Images for Knee Osteoarthritis Diagnosis	Zhuang, Zixu (Not Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
584	Knowledge Distillation to Ensemble Global and Interpretable Prototype-based Mammogram Classification Models	Wang, Chong (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
586	Less is More: Adaptive Curriculum Learning for Thyroid Nodule Diagnosis	Gong, Haifan (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
597	Semi-supervised Learning for Nerve Segmentation in Corneal Confocal Microscope Photography	Wu, Jun (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
603	Progressive Subsampling for Oversampled Data - Application to Quantitative MRI	Blumberg, Stefano B. (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
610	S5CL: Unifying Fully-Supervised, Self-Supervised, and Semi-Supervised Learning Through Hierarchical Contrastive Learning	Tran, Manuel (Registered)	In Person	Computational Physiology & Pathology	Poster 5
613	Multi-Task Lung Nodule Detection in Chest Radiographs with a Dual Head Network	Tsai, Chen-Han (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
616	ContraReg: Contrastive Learning of Multi-modality Unsupervised Deformable Image Registration	Dey, Neel (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
626	DeepRecon: Joint 2D Cardiac Segmentation and 3D Volume Reconstruction via A Structure-Specific Generative Method	Zhangli, Qilong (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
632	DentalPointNet: Landmark Localization on High-Resolution 3D Digital Dental Models	Lang, Yankun (Not Registered)	Virtual	Computational Physiology & Pathology	Poster 5
634	vMFNet: Compositionality Meets Domain-generalised Segmentation	Liu, Xiao (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
636	Deep is a Luxury We Don't Have	Taha, Ahmed (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
637	DeepCRC: Colorectum and Colorectal Cancer Segmentation in CT Scans via Deep Colorectal Coordinate Transform	Xia, Yingda (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
641	Rethinking Surgical Instrument Segmentation: A Background Image Can Be All You Need	Wang, An (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
648	Pseudo Bias-Balanced Learning for Debiased Chest X-ray Classification	Luo, Luyang (Registered)	In Person	Computer Aided Diagnosis II	Poster 2

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649	Modality-adaptive Feature Interaction for Brain Tumor Segmentation with Missing Modalities	Zhao, Zechen (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
654	ORF-Net: Deep Omni-supervised Rib Fracture Detection from Chest CT Scans	Chai, Zhizhong (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
656	Free Lunch for Surgical Video Understanding by Distilling Self-Supervisions	Ding, Xinpeng (Registered)	In Person	Computer-Assisted Interventions	Poster 3
658	Online Easy Example Mining for Weakly-supervised Gland Segmentation from Histology Images	Li, Yi (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
659	Discrepancy-based Active Learning for Weakly Supervised Bleeding Segmentation in Wireless Capsule Endoscopy Images	Bai, Fan (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
672	Position-prior Clustering-based Self-attention Module for Knee Cartilage Segmentation	Liang, Dong (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
676	Attentive Symmetric Autoencoder for Brain MRI Segmentation	Li, Haofeng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
677	Point Beyond Class: A Benchmark for Weakly Semi-Supervised Abnormality Localization in Chest X-Rays	Li, Yuexiang (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
679	Joint Class-Affinity Loss Correction for Robust Medical Image Segmentation with Noisy Labels	Guo, Xiaoqing (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
682	Did You Get What You Paid For? Rethinking Annotation Cost of Deep Learning Based Computer Aided Detection in Chest Radiographs	Kim, Tae Soo (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
683	ProCo: Prototype-aware Contrastive Learning for Long-tailed Medical Image Classification	Yang, Zhixiong (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
688	Decoding Task Sub-type States with Group Deep Bidirectional Recurrent Neural Network	Zhao, Shijie (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
695	Hierarchical Brain Networks Decomposition via Prior Knowledge Guided Deep Belief Network	Pang, Tianji (Not registered)	Virtual	Computational Physiology & Pathology	Poster 5
702	Denosing for Relaxing: Unsupervised Domain Adaptive Fundus Image Segmentation without Source Data	Xu, Zhe (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
704	Diffusion Models for Medical Anomaly Detection	Wolleb, Julia (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
710	Sample hardness based gradient loss for long-tailed cervical cell detection	Liu, Minmin (Not Registered)	Virtual	Computational Physiology & Pathology	Poster 5
718	Visual explanations for the detection of diabetic retinopathy from retinal fundus images	Boreiko, Valentyn (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

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724	Reliability-aware Contrastive Self-ensembling for Semi-supervised Medical Image Classification	Huang, Yecheng (Not Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
726	Collaborative Quantization Embeddings for Intra-Subject Prostate MR Image Registration	Shen, Ziyi (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
733	Test-time image-to-image translation ensembling improves out-of-distribution generalization in histopathology	Scalbert, Marin (Registered)	In Person	Computational Physiology & Pathology	Poster 5
735	Implicit Neural Representations for Generative Modeling of Living Cell Shapes	Wiesner, David (Registered)	In Person	Computational Physiology & Pathology	Poster 5
739	Rethinking Surgical Captioning: End-to-End Window-Based MLP Transformer Using Patches	Xu, Mengya (Registered)	In Person	Computer-Assisted Interventions	Poster 3
742	Interpretable signature of consciousness in resting-state functional network brain activity	Frouin, Vincent (Registered)	In Person	Computational Physiology & Pathology	Poster 5
744	Consistency-preserving Visual Question Answering in Medical Imaging	Tascon-Morales, Sergio (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
755	MCP-Net: Inter-frame Motion Correction with Patlak Regularization for Whole-body Dynamic PET	Guo, Xueqi (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
756	Curvature-enhanced Implicit Function Network for High-quality Tooth Model Generation from CBCT Images	Fang, Yu (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
764	Predicting molecular traits from tissue morphology through self-interactive multi-instance learning	Hu, Yang (Registered)	In Person	Computational Physiology & Pathology	Poster 5
770	Graph convolutional network with probabilistic spatial regression: application to craniofacial landmark detection from 3D photogrammetry	Elkhill, Connor (Registered)	In Person	Computational Physiology & Pathology	Poster 5
772	Context-Aware Transformers For Spinal Cancer Detection and Radiological Grading	Windsor, Rhydian (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
775	CRISP - Reliable Uncertainty Estimation for Medical Image Segmentation	Judge, Thierry (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
779	Combining mixed-format labels for AI-based pathology detection pipeline in a large-scale knee MRI study	Browning, James (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
783	CaRTS: Causality-driven Robot Tool Segmentation from Vision and Kinematics Data	Ding, Hao (Registered)	In Person	Computer-Assisted Interventions	Poster 3
791	End-to-End Evidential-Efficient Net for Radiomics Analysis of Brain MRI to Predict Oncogene Expression and Overall Survival	Feng, Yingjie (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
796	Denosing of 3D MR images using a voxel-wise hybrid residual MLP-CNN model to improve small lesion diagnostic confidence	Yang, Haibo (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1



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805	ULTRA: Uncertainty-aware Label Distribution Learning for Breast Tumor Cellularity Assessment	Li, Xiangyu (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
807	InsMix: Towards Realistic Generative Data Augmentation for Nuclei Instance Segmentation	Lin, Yi (Registered)	In Person	Computational Physiology & Pathology	Poster 5
816	One-Shot Segmentation of Novel White Matter Tracts via Extensive Data Augmentation	Liu, Wan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
819	Swin-VoxelMorph: A Symmetric Unsupervised Learning Model for Deformable Medical Image Registration Using Swin Transformer	Zhu, Yongpei (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
820	Boundary-Enhanced Self-Supervised Learning for Brain Structure Segmentation	Chang, Feng (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
826	Graph Emotion Decoding from Visually Evoked Neural Responses	Huang, Zhongyu (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
832	Task-oriented Self-supervised Learning for Anomaly Detection in Electroencephalography	Zheng, Yaojia (Not Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
837	Trichomonas Vaginalis Segmentation in Microscope Images	Li, Lin (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
838	Dual-Distribution Discrepancy for Anomaly Detection in Chest X-Rays	Cai, Yu (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
841	Test-time Adaptation with Calibration of Medical Image Classification Nets for Label Distribution Shift	Ma, Wenao (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
842	PET denoising and uncertainty estimation based on NVAE model using quantile regression loss	Cui, Jianan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
844	PHTrans: Parallely Aggregating Global and Local Representations for Medical Image Segmentation	Liu, Wentao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
847	Lesion-aware Dynamic Kernel for Polyp Segmentation	Zhang, Ruifei (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
867	Improved Domain Generalization for Cell Detection in Histopathology Images via Test-Time Stain Augmentation	Xu, Chundan (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
871	USG-Net: Deep Learning-based Ultrasound Scanning-Guide for an Orthopedic Sonographer	Lee, Moon Hwan (Registered)	In Person	Computer-Assisted Interventions	Poster 3
876	Multidimensional Hypergraph on Delineated Retinal Features for Pathological Myopia Task.	Githinji, Bilha (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
887	Task-relevant Feature Replenishment for Cross-centre Polyp Segmentation	Shen, Yutian (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6

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890	Weakly Supervised Online Action Detection for Infant General Movements	Luo, Tongyi (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
893	A Transformer-Based Iterative Reconstruction Model for Sparse-View CT Reconstruction	Xia, Wenjun (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
894	Censor-aware Semi-supervised Learning for Survival Time Prediction from Medical Images	Hermoza, Renato (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
897	Vol2Flow: Segment 3D Volumes using a Sequence of Registration Flows	Bitarafan, Adeleh (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
898	Why patient data cannot be easily forgotten?	Liu, Xiao (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
905	Few-shot Generation of Personalized Neural Surrogates for Cardiac Simulation via Bayesian Meta-Learning	Missel, Ryan (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
915	Nonlinear Conditional Time-varying Granger Causality of Task fMRI via Deep Stacking Networks and Adaptive Convolutional Kernels	Chuang, Kai-Cheng (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
916	Surgical-VQA: Visual Question Answering in Surgical Scenes using Transformer	Seenivasan, Lalithkumar (Registered)	In Person	Computer-Assisted Interventions	Poster 3
919	Localizing the Recurrent Laryngeal Nerve via Ultrasound with a Bayesian Shape Framework	Han, Luyi (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
924	Skin Lesion Recognition with Class-Hierarchy Regularized Hyperbolic Embeddings	Yu, Zhen (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
928	Unsupervised Lesion-Aware Transfer Learning for Diabetic Retinopathy Grading in Ultra-Wide-Field Fundus Photography	Bai, Yanmiao (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
929	NerveFormer: A Cross-Sample Aggregation Network for Corneal Nerve Segmentation	Chen, Jiayu (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
938	Parameter-free latent space transformer for zero-shot bidirectional cross-modality liver segmentation	Li, Yang (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
939	Instrument-tissue Interaction Quintuple Detection in Surgery Videos	Chui, Chee-Kong (Registered)	In Person	Computer-Assisted Interventions	Poster 3
943	Interaction-Oriented Feature Decomposition for Medical Image Lesion Detection	Shen, Junyong (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
950	DSP-Net: Deeply-Supervised Pseudo-Siamese Network for Dynamic Angiographic Image Matching	Ma, Xi-Yao (Registered)	Virtual	Computer-Assisted Interventions	Poster 3

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951	Surgical Skill Assessment via Video Semantic Aggregation	Li, Zhenqiang (Registered)	In Person	Computer-Assisted Interventions	Poster 3
960	Evolutionary Multi-objective Architecture Search Framework: Application to COVID-19 3D CT Classification	He, Xin (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
962	Using Guided Self-Attention with Local Information for Polyp Segmentation	Cai, Linghan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
963	Calibration of Medical Imaging Classification Systems with Weight Scaling	Frenkel, Lior (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
964	Momentum Contrastive Voxel-wise Representation Learning for Semi-supervised Volumetric Medical Image Segmentation	You, Chenyu (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
965	Transformer based multiple instance learning for weakly supervised histopathology image segmentation	Qian, Ziniu (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
966	Multiple Instance Learning with Mixed Supervision in Gleason Grading	Bian, Hao (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
967	Learning Tumor-Induced Deformations to Improve Tumor-Bearing Brain MR Segmentation	Jia, Meng (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
970	Deep-learning Based T1 and T2 Quantification from Undersampled Magnetic Resonance Fingerprinting Data to Track Tracer Kinetics in Small Laboratory Animals	Gu, Yuning (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
974	NAF: Neural Attenuation Fields for Sparse-View CBCT Reconstruction	Zha, Ruyi (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
975	A Novel Fusion Network for Morphological Analysis of Common Iliac Artery	Song, Meng (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
983	UASSR:Unsupervised Arbitrary Scale Super-resolution Reconstruction of Single Anisotropic 3D images via Disentangled Representation Learning?	Wang, Jiale (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
984	Nonlinear Regression of Remaining Surgical Duration via Bayesian LSTM-based Deep Negative Correlation Learning	Zheng, Guoyan (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
991	Context-aware Voxel-wise Contrastive Learning for Label Efficient Multi-organ Segmentation	Liu, Peng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
992	Domain-Prior-Induced Structural MRI Adaptation for Clinical Progression Prediction of Subjective Cognitive Decline	Yu, Minhui (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1003	Reinforcement Learning Driven Intra-modal and Inter-modal Representation Learning for 3D Medical Image Classification	Zhu, Zhonghang (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1

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1016	A New Dataset and A Baseline Model for Breast Lesion Detection in Ultrasound Videos	Zhu, Lei (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1020	PD-DWI: Predicting response to neoadjuvant chemotherapy in invasive breast cancer with Physiologically-Decomposed Diffusion-Weighted MRI machine-learning model	Gilad, Maya (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1023	RemixFormer: A Transformer Model for Precision Skin Tumor Differential Diagnosis via Multi-modal Imaging and Non-imaging Data	Xu, Jing (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1024	Uncertainty-aware Cascade Network for Ultrasound Image Segmentation with Ambiguous Boundary	Chen, Fang (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1027	Contrastive Re-localization and History Distillation in Federated CMR Segmentation	Qi, Xiaoming (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1029	Domain Adaptive Mitochondria Segmentation via Enforcing Inter-Section Consistency	Huang, Wei (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1034	Lesion Guided Explainable Few Weak-shot Medical Report Generation	Sun, Jinghan (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1036	Vector Quantisation for Robust Segmentation	Santhirasekaram, Ainkaran (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1037	fMRI Neurofeedback Learning Patterns are Predictive of Personal and Clinical Traits	Leibovitz, Rotem (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1049	Stepwise Feature Fusion: Local Guides Global	Wang, Jinfeng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1057	Contrast-free Liver Tumor Detection using Ternary Knowledge Transferred Teacher-student Deep Reinforcement Learning	Xu, Chenchu (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1059	Local-Region and Cross-Dataset Contrastive Learning for Retinal Vessel Segmentation	Zhao, Jiaxin (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1063	Y-Net: A Spatospectral Dual-Encoder Network for Medical Image Segmentation	Farshad, Azade (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1064	WavTrans: Synergizing Wavelet and Cross-Attention Transformer for Multi-Contrast MRI Super-resolution	Li, Guangyuan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1066	DuDoCAF: Dual-Domain Cross-Attention Fusion with Recurrent Transformer for Fast Multi-contrast MR Imaging	Wang, Chengyan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1074	Prototype Learning of Inter-network Connectivity for ASD Diagnosis and Personalized Analysis	Kang, Eunsong (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

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1080	DeepPyramid: Enabling Pyramid View and Deformable Pyramid Reception for Semantic Segmentation in Cataract Surgery Videos	Ghamsarian, Negin (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1091	Neural Rendering for Stereo 3D Reconstruction of Deformable Tissues in Robotic Surgery	Wang, Yuehao (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1095	Building Brains: Subvolume Recombination for Data Augmentation in Large Vessel Occlusion Detection	Thamm, Florian (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1100	Weakly Supervised MR-TRUS Image Synthesis for Brachytherapy of Prostate Cancer	Pang, Yunkui (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1103	Non-iterative Coarse-to-fine Registration based on Single-pass Deep Cumulative Learning	Meng, Mingyuan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1108	BiometryNet: Landmark-based Fetal Biometry Estimation from Standard Ultrasound Planes	Avisdris, Netanell (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1110	Prognostic Imaging Biomarker Discovery in Survival Analysis for Idiopathic Pulmonary Fibrosis	Zhao, An (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1119	Survival Prediction of Brain Cancer with Incomplete Radiology, Pathology, Genomic, and Demographic Data	Huo, Yuankai (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1120	Hybrid Spatio-Temporal Transformer Network for Predicting Ischemic Stroke Lesion Outcomes from 4D CT Perfusion Imaging	Amador, Kimberly (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1127	DeStripe: A Self2Self Spatio-Spectral Graph Neural Network with Unfolded Hessian for Stripe Artifact Removal in Light-sheet Microscopy	Liu, Yu (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1138	Mesh-based 3D Motion Tracking in Cardiac MRI using Deep Learning	Meng, Qingjie (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1145	Camera Adaptation for Fundus-Image-Based CVD Risk Estimation	Lin, Zhihong (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1155	A Geometry-Constrained Deformable Attention Network for Aortic Segmentation	Lin, Weiyuan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1159	Effective Opportunistic Esophageal Cancer Screening using Noncontrast CT Imaging	Yao, Jiawen (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1162	Towards Holistic Surgical Scene Understanding	Valderrama, Natalia (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1164	Opinions Vary? Diagnosis First!	Wu, Junde (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

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1168	Spatial-hierarchical Graph Neural Network with Dynamic Structure Learning for Histological Image Classification	Hou, Wentai (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1173	Gigapixel Whole-Slide Images Classification using Locally Supervised Learning	Zhang, Xin (Registered)	In Person	Computational Physiology & Pathology	Poster 5
1177	Hand Hygiene Quality Assessment using Image-to-Image Translation	Wang, Chaofan (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1180	Whole Slide Cervical Cancer Screening Using Graph Attention Network and Supervised Contrastive Learning	Zhang, Xin (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1211	ConTrans: Improving Transformer with Convolutional Attention for Medical Image Segmentation	Lin, Ailiang (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1226	Deep Motion Network for Freehand 3D Ultrasound Reconstruction	Luo, Mingyuan (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1231	RandStainNA: Learning Stain-Agnostic Features from Histology Slides by Bridging Stain Augmentation and Normalization	Shen, Yiqing (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1233	3D Global Fourier Network for Alzheimer's Disease Diagnosis using Structural MRI	Zhang, Shengjie (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1238	Transformer Based Multi-View Network for Mammographic Image Classification	Sun, Zizhao (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1242	Domain Adaptive Nuclei Instance Segmentation and Classification via Category-aware Feature Alignment and Pseudo-labelling	Li, Canran (Registered)	In Person	Computational Physiology & Pathology	Poster 5
1247	A Hybrid Propagation Network for Interactive Volumetric Image Segmentation	Shi, Luyue (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1248	Agent with Tangent-based Formulation and Anatomical Perception for Standard Plane Localization in 3D Ultrasound	Zou, Yuxin (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
1253	TransEM: Residual Swin-Transformer based regularized PET image reconstruction	Hu, Rui (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1262	End-to-End cell recognition by point annotation	Zhang, Shichuan (Not registered)	Virtual	Computational Physiology & Pathology	Poster 5
1267	Online Reflective Learning for Robust Medical Image Segmentation	Huang, Yuhao (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1270	Accurate Corresponding Fiber Tract Segmentation via FiberGeoMap Learner	Wang, Zhenwei (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4

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1271	End-to-End Segmentation of Medical Images via Patch-wise Polygons Prediction	Shaharabany, Tal (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1274	Multi-Modal Unsupervised Pre-Training for Surgical Operating Room Workflow Analysis	Jamal, Muhammad Abdullah (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1279	Identify Consistent Imaging Genomic Biomarkers for Characterizing the Survival-associated Interactions between Tumor-infiltrating Lymphocytes and Tumors	Zuo, Yingli (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1280	Fine-grained Correlation Loss for Regression	Chen, Chaoyu (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1283	Weakly-supervised High-fidelity Ultrasound Video Synthesis with Feature Decoupling	Liang, Jiamin (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1289	Multi-head Attention-based Masked Sequence Model for Mapping Functional Brain Networks	He, Mengshen (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1296	Data-driven Multi-Modal Partial Medical Image Preregistration by Template Space Patch Mapping	Xia, Ding (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1305	An Accurate Unsupervised Liver Lesion Detection Method Using Pseudo-Lesions	Li, He (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1315	Domain-Adaptive 3D Medical Image Synthesis: An Efficient Unsupervised Approach	Li, Hongwei (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1318	TBraTS: Trusted Brain Tumor Segmentation	Zou, Ke (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1319	Learning self-calibrated optic disc and cup segmentation from multi-rater annotations	Wu, Junde (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1320	Class Impression for Data-free Incremental Learning	Ayromlou, Sana (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1328	What can we learn about a generated image corrupting its latent representation?	Tomczak, Agnieszka (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1336	Multi-TransSP: Multimodal Transformer for Survival Prediction of Nasopharyngeal Carcinoma Patients	Zheng, Hanci (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1341	SelfMix: A Self-adaptive Data Augmentation Method for Lesion Segmentation	Zhu, Qikui (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1347	3D CVT-GAN: A 3D Convolutional Vision Transformer-GAN for PET Reconstruction	Zeng, Pinxian (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4

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1361	Automatic identification of segmentation errors for radiotherapy using geometric learning	Henderson, Edward G. A. (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1363	Classification-aided High-quality PET Image Synthesis via Bidirectional Contrastive GAN with Shared Information Maximization	Fei, Yuchen (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1369	CASHformer: Cognition Aware SHape Transformer for Longitudinal Analysis	Sarasua, Ignacio (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1371	Addressing Class Imbalance in Semi-supervised Image Segmentation: A Study on Cardiac MRI	Basak, Hritam (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1374	A Medical Semantic-Assisted Transformer for Radiographic Report Generation	Wang, Zhanyu (Not Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1387	Deep learning-based Head and Neck Radiotherapy Planning Dose Prediction via Beam-wise Dose Decomposition	Wang, Bin (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1389	DSR: Direct Simultaneous Registration for Multiple 3D Images	Mao, Zehua (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1397	Layer Ensembles: A Single-Pass Uncertainty Estimation in Deep Learning for Segmentation	Kushibar, Kaisar (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1401	Swin Deformable Attention U-Net Transformer (SDAUT) for Explainable Fast MRI	Huang, Jiahao (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1405	A Novel Knowledge Keeper Network for 7T-Free But 7T-Guided Brain Tissue Segmentation	Lee, Jieun (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1411	Low-Dose CT Reconstruction via Dual-Domain Learning and Controllable Modulation	Sun, Zheng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1415	An adaptive network with extragradient for diffusion MRI-based microstructure estimation	Zheng, Tianshu (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1416	Scribble2D5: Weakly-Supervised Volumetric Image Segmentation via Scribble Annotations	Chen, Qihui (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1418	Suppressing Poisoning Attacks on Federated Learning for Medical Imaging	Alkhunaizi, Naif (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1419	OnlyCaps-Net, a capsule only based neural network for 2D and 3D semantic segmentation	Bonheur, Savinien (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1422	Identifying and Combating Bias in Segmentation Networks by leveraging multiple resolutions	Kügler, David (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7



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1426	DEUE: Delta Ensemble Uncertainty Estimation for a More Robust Estimation of Ejection Fraction	Kazemi Esfeh, Mohammad Mahdi (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1430	Dual-HINet: Dual Hierarchical Integration Network of Multigraphs for Connectional Brain Template Learning	Duran, Fatih (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1435	Personalized Diagnostic Tool for Thyroid Cancer Classification using Multi-view Ultrasound	Huang, Han (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1440	Deep Laparoscopic Stereo Matching with Transformers	Cheng, Xuelian (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1441	Semi-Supervised PR Virtual Staining for Breast Histopathological Images	Zeng, Bowei (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1447	Discrepancy and Gradient-guided Multi-Modal Knowledge Distillation for Pathological Glioma Grading	Xing, Xiaohan (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1449	TINC: Temporally Informed Non-Contrastive Learning for Disease Progression Modeling in Retinal OCT Volumes	Emre, Taha (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1454	Super-Focus: Domain Adaptation for Embryo Imaging via Self-Supervised Focal Plane Regression	He, Peter (Registered)	In Person	Computational Physiology & Pathology	Poster 5
1456	DRGen: Domain Generalization in Diabetic Retinopathy Classification	Atwany, Mohammad (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1459	Bi-directional Encoding for Explicit Centerline Segmentation by Fully-Convolutional Networks	Dylov, Dmitry V. (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1461	Transforming the Interactive Segmentation for Medical Imaging	Liu, Wentao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1462	Benchmarking the Robustness of Deep Neural Networks to Common Corruptions in Digital Pathology	Zhang, Yunlong (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1464	Joint Modeling of Image and Label Statistics for Enhancing Model Generalizability of Medical Image Segmentation	Gao, Shangqi (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1473	Transformer based feature fusion for left ventricle segmentation in 4D flow MRI	Sun, Xiaowu (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1476	Dual-graph Learning Convolutional Networks for Interpretable Alzheimer's Disease Diagnosis	Xiao, Tingsong (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1488	Multi-modal Retinal Image Registration Using a Keypoint-Based Vessel Structure Aligning Network	Sindel, Aline (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6

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1499	Graph-based Compression of Incomplete 3D Photoacoustic Data	Liao, Weihang (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1504	Self-learning and One-shot Learning based Single-slice Annotation for 3D Medical Image Segmentation	Wu, Yixuan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1507	Learning towards Synchronous Network Memorizability and Generalizability for Continual Segmentation across Multiple Sites	Zhang, Jingyang (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1510	DS3-Net: Difficulty-perceived Common-to-T1ce Semi-Supervised Multimodal MRI Synthesis Network	Huang, Ziqi (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1512	4D-OR: Semantic Scene Graphs for OR Domain Modeling	Özsoy, Ege (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1513	RefineNet: An Automated Framework to Generate Task and Subject-Specific Brain Parcellations for Resting-State fMRI Analysis	Nandakumar, Naresh (Registered)	In Person	Computational Physiology & Pathology	Poster 5
1515	Weakly Supervised Segmentation by Tensor Graph Learning for Whole Slide Images	Chen, Zhao (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1523	Progressive Deep Segmentation of Coronary Artery via Hierarchical Topology Learning	Zhang, Xiao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1525	A Deep-Discrete Learning Framework for Spherical Surface Registration	Suliman, Mohamed A. (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1527	Ideal Midsagittal Plane Detection using Deep Hough Plane Network for Brain Surgical Planning	Zhou, Wenxue (Incomplete)	Virtual	Computer-Assisted Interventions	Poster 3
1539	Simultaneous Bone and Shadow Segmentation Network using Task Correspondence Consistency	Rahman, Aimon (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1542	Invertible Sharpening Network for MRI Reconstruction Enhancement	Dong, Siyuan (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1549	An Optimal Control Problem for Elastic Registration and Force Estimation in Augmented Surgery	Mestdagh, Guillaume (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1550	Frequency-Aware Inverse-Consistent Deep Learning for OCT-Angiogram Super-Resolution	Zhang, Weiwen (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1552	Aggregative Self-Supervised Feature Learning from Limited Medical Images	Li, Jun (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1555	Learn to Ignore: Domain Adaptation for Multi-Site MRI Analysis	Wolleb, Julia (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8

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1557	Joint Prediction of Meningioma Grade and Brain Invasion via Task-Aware Contrastive Learning	Liu, Tianling (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1563	Evidence fusion with contextual discounting for multi-modality medical image segmentation	Huang, Ling (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1579	Detecting Aortic Valve Pathology from the 3-Chamber Cine Cardiac MRI View	Vimalesvaran, Kavitha (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1581	Orientation-guided Graph Convolutional Network for Bone Surface Segmentation	Rahman, Aimon (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1582	Contrastive Masked Transformers for Forecasting Renal Transplant Function	Milecki, Leo (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1588	ChrSNet: Chromosome Straightening using Self-attention Guided Networks	Zheng, Sunyi (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1589	PRO-TIP: Phantom for RObst automatic ultrasound calibration by TIP detection	Ronchetti, Matteo (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1591	Learning Underrepresented Classes from Decentralized Partially Labeled Medical Images	Dong, Nanqing (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1593	CheXRelNet: An Anatomy-Aware Model for Tracking Longitudinal Relationships between Chest X-Rays	Mbakwe, Amarachi B. (Not Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1599	Weakly Supervised Volumetric Image Segmentation with Deformed Templates	Wickramasinghe, Udaranga (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1601	Characterization of brain activity patterns across states of consciousness based on variational auto-encoders	Gomez, Chloé (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1608	Reinforcement learning for active modality selection during diagnosis	Bernardino, Gabriel (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1613	Radiological Reports Improve Pre-Training for Localized Imaging Tasks on Chest X-Rays	Müller, Philip (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1622	Global Multi-modal 2D/3D Registration via Local Descriptors Learning	Markova, Viktoria (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1623	Stay focused - Enhancing model interpretability through guided feature training	Jenke, Alexander C. (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1625	Analyzing and Improving Low Dose CT Denoising Network via HU Level Slicing	Bera, Sutanu (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1627	Shape-based features of white matter fiber-tracts associated with outcome in Major Depression Disorder	Cury, Claire (Registered)	In Person	Computational Physiology & Pathology	Poster 5

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1632	Residual Wavelon Convolutional Networks for Characterization of Disease Response on MRI	Sadri, Amir Reza (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1636	The Intrinsic Manifolds of Radiological Images and their Role in Deep Learning	Konz, Nicholas (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1638	Unsupervised Contrastive Learning of Image Representations from Ultrasound Videos with Hard Negative Mining	Basu, Soumen (Registered)	In Person	Computational Physiology & Pathology	Poster 5
1639	FedHarmony: Unlearning Scanner Bias with Distributed Data	Dinsdale, Nicola K (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1642	Implicit Neural Representations for Medical Imaging Segmentation	Khan, Muhammad Osama (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1645	Greedy Optimization of Electrode Arrangement for Epiretinal Prostheses	Beyeler, Michael (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1649	Longitudinal Infant Functional Connectivity Prediction via Conditional Intensive Triplet Network	Yu, Xiaowei (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1659	Supervised Deep Learning for Head Motion Correction in PET	Zeng, Tianyi (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1665	Modelling Cycles in Brain Networks with the Hodge Laplacian	Dakurah, Sixtus (Registered)	In Person	Computational Physiology & Pathology	Poster 5
1668	Predicting Spatio-Temporal Human Brain Response Using fMRI	Zhao, Chongyue (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1674	Leveraging Labeling Representations in Uncertainty-based Semi-supervised Segmentation	Adiga Vasudeva, Suresh (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1676	Self-Ensembling Vision Transformer (SEViT) for Robust Medical Image Classification	Almalik, Faris (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1680	Fast Unsupervised Brain Anomaly Detection and Segmentation with Diffusion Models	Pinaya, Walter (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1682	Multimodal-GuideNet: Gaze-Probe Bidirectional Guidance in Obstetric Ultrasound Scanning	Men, Qianhui (Registered)	2740	Computer-Assisted Interventions	Poster 3
1683	Assessing the Performance of Automated Prediction and Ranking of Patient Age from Chest X-rays Against Clinicians	MacPherson, Matthew (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1684	SUPER-IVIM-DC: Intra-voxel incoherent motion based Fetal lung maturity assessment from limited DWI data using supervised learning coupled with data-consistency	Korngut, Noam (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

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1690	ModDrop++: A Dynamic Filter Network with Intra-subject Co-training for Multiple Sclerosis Lesion Segmentation with Missing Modalities	Oguz, Ipek (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1693	DOMINO: Domain-aware Model Calibration in Medical Image Segmentation	Stolte, Skylar (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1698	Contrastive learning for echocardiographic view integration	Cheng, Li-Hsin (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1700	Privacy Preserving Image Registration	Taiello, Riccardo (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1703	Analyzing Brain Structural Connectivity as Continuous Random Functions	Consagra, William (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1704	Conditional VAEs for confound removal and normative modelling of neurodegenerative diseases	Lawry Aguila, Ana (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1711	iSegFormer: Interactive Segmentation via Transformers with Application to 3D Knee MR Images	Liu, Qin (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1714	USPoint: Self-Supervised Interest Point Detection and Description for Ultrasound-Probe Motion Estimation during Fine-Adjustment Standard Fetal Plane Finding	Noble, J. Alison (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1715	Spatio-temporal motion correction and iterative reconstruction of in-utero fetal fMRI	Taymourtash, Athena (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1718	On the Uncertain Single-View Depths in Colonoscopies	Rodriguez-Puigvert, Javier (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1723	Learning with Context Encoding for Single-Stage Cranial Bone Labeling and Landmark Localization	Liu, Jiawei (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1726	Anatomy-Guided Weakly-Supervised Abnormality Localization in Chest X-rays	Batmanghelich, Kayhan (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1731	BabyNet: Residual Transformer Module for Birth Weight Prediction on Fetal Ultrasound Video	Płotka, Szymon (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1732	EchoGNN: Explainable Ejection Fraction Estimation with Graph Neural Networks	Mokhtari, Masoud (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1738	Test Time Transform Prediction for Open Set Histopathological Image Recognition	Galdran, Adrian (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1748	Warm Start Active Learning with Proxy Labels & Selection via Semi-Supervised Fine-Tuning	Roth, Holger (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1

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1749	Ensembled Prediction of Rheumatic Heart Disease from Ungated Doppler Echocardiography Acquired in Low-Resource Settings	Roshanitabrizi, Pooneh (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1750	Deep filter bank regression for super-resolution of anisotropic MR brain images	Remedios, Samuel W. (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1766	Self-supervised 3D Patient Modeling with Multi-modal Attentive Fusion	Zheng, Meng (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
1782	Towards performant and reliable undersampled MR reconstruction via diffusion model sampling	Peng, Cheng (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1785	A Multi-task Network with Weight Decay Skip Connection Training for Anomaly Detection in Retinal Fundus Images	Li, Yuexiang (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1789	Multiscale Unsupervised Retinal Edema Area Segmentation in OCT Images	Lu, Donghuan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1790	Identification of vascular cognitive impairment in adult moyamoya disease via integrated graph convolutional network	Zeng, Wenwen (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1793	Patcher: Patch Transformers with Mixture of Experts for Precise Medical Image Segmentation	Wong, Kelvin (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
1796	Asymmetry Disentanglement Network for Interpretable Acute Ischemic Stroke Infarct Segmentation in Non-Contrast CT Scans	Huang, Xiaolei (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1798	Attention mechanisms for physiological signal deep learning: which attention should we take?	Park, Seong-A (Registered)	In Person	Computational Physiology & Pathology	Poster 5
1802	Deformer: Towards Displacement Field Learning for Unsupervised Medical Image Registration	Chen, Jiashun (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1805	Transformer Based Multi-task Deep Learning with Intravoxel Incoherent Motion Model Fitting for Microvascular Invasion Prediction of Hepatocellular Carcinoma	Huang, Haoyuan (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1806	SLAM-TKA: Real-time Intra-operative Measurement of Tibial Resection Plane in Conventional Total Knee Arthroplasty	Zhang, Shuai (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1808	Revealing Continuous Brain Dynamical Organization with Multimodal Graph Transformer	Zhao, Chongyue (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1816	Data-Driven Deep Supervision for Skin Lesion Classification	Zhang, Yizhe (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1821	Regression Metric Loss: Learning a Semantic Representation Space for Medical Images	Chao, Hanqing (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2

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1826	SeATrans: Learning Segmentation-Assisted diagnosis model via Transformer	Wu, Junde (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1829	Adversarially Robust Prototypical Few-shot Segmentation with Neural-ODEs	Pandey, Prashant (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1841	Multi-Modal Masked Autoencoders for Medical Vision-and-Language Pre-Training	Chen, Zhihong (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1843	Patch-wise Deep Metric Learning for Unsupervised Low-Dose CT Denoising	Jung, Chanyong (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
1852	BMD-GAN: Bone mineral density estimation using x-ray image decomposition into projections of bone-segmented quantitative computed tomography using hierarchical learning	Gu, Yi (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
1856	Explainable Contrastive Multiview Graph Representation of Brain, Mind, and Behavior	Zhao, Chongyue (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1860	TransFusion: Multi-view Divergent Fusion for Medical Image Segmentation with Transformers	Liu, Di (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1872	Embedding Human Brain Function via Transformer	Zhao, Lin (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
1881	A Penalty Approach for Normalizing Feature Distributions to Build Confounder-Free Models	Adeli, Ehsan (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1882	Computer-aided Tuberculosis Diagnosis with Attribute Reasoning Assistance	Zhao, Gangming (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1888	Uni4Eye: Unified 2D and 3D Self-supervised Pre-training via Masked Image Modeling Transformer for Ophthalmic Image Classification	Cai, Zhiyuan (Not Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
1900	Semi-supervised learning with data harmonisation for biomarker discovery from resting state fMRI	Chan, Yi Hao (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
1909	Measurement-conditioned Denoising Diffusion Probabilistic Model for Under-sampled Medical Image Reconstruction	Xie, Yutong (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1919	Automated Classification of General Movements in Infants Using Two-stream Spatiotemporal Fusion Network	Hashimoto, Yuki (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1923	Out-of-Distribution Detection for Long-tailed and Fine-grained Skin Lesion Images	Mehta, Deval (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
1938	Intra-class Contrastive Learning Improves Computer Aided Diagnosis of Breast Cancer in Mammography	You, Kihyun (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

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1939	Lesion-Aware Contrastive Representation Learning for Histopathology Whole Slide Images Analysis	Li, Jun (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1940	Enhancing model generalization for substantia nigra segmentation using a test-time normalization-based method	Hu, Tao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
1952	Digestive Organ Recognition in Video Capsule Endoscopy based on Temporal Segmentation Network	Shin, Yejee (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1959	Learning Incrementally to Segment Multiple Organs in a CT Image	Liu, Pengbo (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
1961	Multimodal Contrastive Learning for Prospective Personalized Estimation of CT Organ Dose	Imran, Abdullah-Al-Zubaer (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1966	Screening of Dementia on OCTA Images via Multi-projection Consistency and Complementarity	Wang, Xingyue (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1971	Attention-enhanced Disentangled Representation Learning for Unsupervised Domain Adaptation in Cardiac Segmentation	Sun, Xiaoyi (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
1972	Mixed Reality and Deep Learning for External Ventricular Drainage Placement: a Fast and Automatic Workflow for Emergency Treatments	Palumbo, Maria Chiara (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1974	Kernel Attention Transformer (KAT) for Histopathology Whole Slide Image Classification	Zheng, Yushan (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
1984	mulEEG: A Multi-View Representation Learning on EEG Signals	Kumar, Vamsi (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
1987	Intervention & Interaction Federated Abnormality Detection with Noisy Clients	Liu, Xinyu (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
1988	AutoLaparo: A New Dataset of Integrated Multi-tasks for Image-guided Surgical Automation in Laparoscopic Hysterectomy	Wang, Ziyi (Registered)	In Person	Computer-Assisted Interventions	Poster 3
1998	SD-LayerNet: Semi-supervised retinal layer segmentation in OCT using disentangled representation with anatomical priors	Fazekas, Botond (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2006	Adapting the Mean Teacher for keypoint-based lung registration under geometric domain shifts	Bigalke, Alexander (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
2010	End-to-end Multi-Slice-to-Volume Concurrent Registration and Multimodal Generation	Leroy, Amaury (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2027	Noise transfer for unsupervised domain adaptation of retinal OCT images	Koch, Valentin (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7



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2040	Joint Region-Attention and Multi-Scale Transformer for Microsatellite Instability Detection from Whole Slide Images in Gastrointestinal Cancer	Lv, Zhilong (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
2043	Self-Supervised Pre-Training for Nuclei Segmentation	Haq, Mohammad Minhazul (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
2050	Region Proposal Rectification Towards Robust Instance Segmentation of Biological Images	Zhangli, Qilong (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
2056	Identifying Phenotypic Concepts Discriminating Molecular Breast Cancer Sub-Types	Fürböck, Christoph (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2064	Interpretable differential diagnosis for Alzheimer's disease and Frontotemporal dementia	Nguyen, Huy-Dung (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2077	Retrieval of surgical phase transitions using reinforcement learning	Zhang, Yitong (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2080	White Matter Tracts are Point Clouds: Neuropsychological Score Prediction and Critical Region Localization via Geometric Deep Learning	Chen, Yuqian (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2084	Geometric Constraints for Self-supervised Monocular Depth Estimation on Laparoscopic Images with Dual-task Consistency	Mori, Kensaku (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2088	LifeLonger: A Benchmark for Continual Disease Classification	Derakhshani, Mohammad Mahdi (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2095	How Much to Aggregate: Learning Adaptive Node-wise Scales on Graphs for Brain Networks	Choi, Injun (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2097	Unsupervised Nuclei Segmentation using Spatial Organization Priors	Le Bescond, Loïc (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2100	Morphology-Aware Interactive Keypoint Estimation	Kim, Jinhee (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2108	Stereo Depth Estimation via Self-Supervised Contrastive Representation Learning	Tukra, Samyakh (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2116	Visual deep learning-based explanation for neuritic plaques segmentation in Alzheimer's Disease using weakly annotated whole slide histopathological images	Jimenez, Gabriel (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2123	CorticalFlow++: Boosting Cortical Surface Reconstruction Accuracy, Regularity, and Interoperability	Santa Cruz, Rodrigo (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7

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2128	Combining multiple atlases to estimate data-driven mappings between functional connectomes using optimal transport	Dadashkarimi, Javid (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
2133	DeepMIF: Deep learning based cell profiling for multispectral immunofluorescence images with graphical user interface	Hagos, Yeman Brhane (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2141	Harnessing Deep Bladder Tumor Segmentation with Logical Clinical Knowledge	Huang, Xiao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
2156	Carbon Footprint of Selecting and Training Deep Learning Models for Medical Image Analysis	Selvan, Raghavendra (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2172	Efficient Bayesian Uncertainty Estimation for nnU-Net	Zhao, Yidong (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2184	Physiology-based simulation of the retinal vasculature enables annotation-free segmentation of OCT angiographs	Menten, Martin J. (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2185	Orientation-Shared Convolution Representation for CT Metal Artifact Learning	Wang, Hong (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2190	SMESwin Unet: Merging CNN and Transformer for Medical Image Segmentation	Wang, Ziheng (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
2193	DisQ: Disentangling Quantitative MRI Mapping of the Heart	Yang, Changchun (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
2197	Cerebral Microbleeds Detection Using a 3D Feature Fused Region Proposal Network with Hard Sample Prototype Learning	Kim, Jun-Ho (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2202	Is a PET all you need? A multi-modal study for Alzheimer's disease using 3D CNNs	Sarasua, Ignacio (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2204	SGT: Scene Graph-Guided Transformer for Surgical Report Generation	Lin, Chen (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
2211	Landmark-free Statistical Shape Modeling via Neural Flow Deformations	Amiranashvili, Tamaz (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2231	Test-Time Adaptation with Shape Moments for Image Segmentation	Bateson, Mathilde (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
2233	MaNi: Maximizing Mutual Information for Nuclei Cross-Domain Unsupervised Segmentation	Sharma, Yash (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2234	RTN: Reinforced Transformer Network for Coronary CT Angiography Vessel-level Image Quality Assessment	Lu, Yiting (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
2241	GazeRadar: A Gaze and Radiomics-guided Disease Localization Framework	Bhattacharya, Moinak (Registered)	In Person	Computer Aided Diagnosis I	Poster 1

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2242	Unsupervised Representation Learning of Cingulate Cortical Folding Patterns	Guillon, Louise (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2247	Automatic Detection of Steatosis in Ultrasound Images with Comparative Visual Labeling	Saibro, Günther (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2249	Reliability of quantification estimates in MR Spectroscopy: CNNs vs. traditional model fitting	Rizzo, Rudy (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2252	Automatic Segmentation of Hip Osteophytes in DXA Scans using U-Nets	Ebsim, Raja (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
2257	Segmentation of Whole-brain Tractography: A Deep Learning Algorithm Based on 3D Raw Curve Points	Kumaralingam, Logiraj (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
2262	Deep Regression with Spatial-Frequency Feature Coupling and Image Synthesis for Robot-Assisted Endomicroscopy	Xu, Chi (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2266	The (de)biasing effect of GAN-based augmentation methods on skin lesion images	Mikołajczyk, Agnieszka (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2270	<b>Breaking with Fixed Set Pathology Recognition through Report-Guided Contrastive Training</b>	Seibold, Constantin (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2282	TractoFormer: A Novel Fiber-level Whole Brain Tractography Analysis Framework Using Spectral Embedding and Vision Transformers	Zhang, Fan (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
2284	The Dice loss in the context of missing or empty labels: introducing $\Phi$ and $\epsilon$	Tilborghs, Sofie (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2294	Robust Segmentation of Brain MRI in the Wild with Hierarchical CNNs and no Retraining	Billot, Benjamin (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
2295	Toward Clinically Assisted Colorectal Polyp Recognition via Structured Cross-modal Representation Consistency	Ma, Weijie (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
2297	CIRDataset: A large-scale Dataset for Clinically-Interpretable lung nodule Radiomics and malignancy prediction	Nadeem, Saad (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
2304	EchoCoTr: Estimation of the Left Ventricular Ejection Fraction from Spatiotemporal Echocardiography	Muhtaseb, Rand (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2308	Region-guided CycleGANs for Stain Transfer in Whole Slide Images	Boyd, Joseph (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2313	Fast Automatic Liver Tumor Radiofrequency Ablation Planning via Learned Physics Model	Meister, Felix (Registered)	In Person	Computer-Assisted Interventions	Poster 3

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2314	CLTS-GAN: Color-Lighting-Texture-Specular Reflection Augmentation for Colonoscopy	Nadeem, Saad (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
2315	Automation of clinical measurements on radiographs of children's hips	Thompson, Peter (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2316	FairPrune: Achieving Fairness Through Pruning for Dermatological Disease Diagnosis	Wu, Yawen (Not Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2320	Surgical Gesture Recognition with Hierarchical Action Space based Reinforcement Learning	Ge, Zongyuan (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2324	Uncertainty Aware Sampling Framework of Weak-Label Learning for Histology Image Classification	Aljuhani, Asmaa (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
2325	Deep Reinforcement Learning for Small Bowel Path Tracking using Different Types of Annotations	Shin, Seung Yeon (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2326	MRI Reconstruction by Completing Under-sampled K-space Data with Learnable Fourier Interpolation	Ding, Qiaoqiao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
2332	Capturing Shape Information with Multi-Scale Topological Loss Terms for 3D Reconstruction	Waibel, Dominik J. E. (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
2333	Learning-based and unrolled motion-compensated reconstruction for cardiac MR CINE imaging	Pan, Jiazhen (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2336	Light-weight spatio-temporal graphs for segmentation and ejection fraction prediction in cardiac ultrasound	Thomas, Sarina (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2344	Accurate and Explainable Image-based Prediction Using a Lightweight Generative Model	Mauri, Chiara (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2350	Deep Reinforcement Learning for Detection of Inner Ear Abnormal Anatomy in Computed Tomography	López Diez, Paula (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2365	Vision-Language Contrastive Learning Approach to Robust Automatic Placenta Analysis Using Photographic Images	Pan, Yimu (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
2366	Learning shape distributions from large databases of healthy organs: applications to zero-shot and few-shot abnormal pancreas detection	Vétil, Rebeca (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2377	Efficient population based hyperparameter scheduling for medical image segmentation	He, Yufan (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
2383	Local Attention Graph-based Transformer for Multi-target Genetic Alteration Prediction	Wagner, Sophia (Registered)	In Person	Computational Physiology & Pathology	Poster 5

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2386	Multi-Modal Hypergraph Diffusion Network with Dual Prior for Alzheimer Classification	Aviles-Rivero, Angelica I. (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2394	Accelerated pseudo 3D dynamic speech MR imaging at 3T using unsupervised deep variational manifold learning	Rusho, Rushdi Zahid (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2407	Feature robustness and sex differences in medical imaging: a case study in MRI-based Alzheimer's disease detection	Petersen, Eike (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2425	Federated Medical Image Analysis with Virtual Sample Synthesis	Zhu, Wei (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2428	Fast Spherical Mapping of Cortical Surface Meshes using Deep Unsupervised Learning	Zhao, Fenqiang (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2430	Anomaly-aware multiple instance learning for rare anemia disorder classification	Kazemina, Salome (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2434	Atlas-based Semantic Segmentation of Prostate Zones	Zhang, Jiazhen (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
2438	Recurrent Implicit Neural Graph for Deformable Tracking in Endoscopic Videos	Schmidt, Adam (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2446	From Images to Probabilistic Anatomical Shapes: A Deep Variational Bottleneck Approach	Adams, Jadie (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2448	Supervised Contrastive Learning to Classify Paranasal Anomalies in the Maxillary Sinus	Bhattacharya, Debayan (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2461	Histogram-based unsupervised domain adaptation for medical image classification	Pai, Akshay (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2464	Unsupervised Cross-Domain Feature Extraction for Single Blood Cell Image Classification	Salehi, Raheleh (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2474	Learning iterative optimisation for deformable image registration of lung CT with recurrent convolutional networks	Falta, Fenja (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2482	Attentional Generative Multimodal Network for Neonatal Postoperative Pain Estimation	Salekin, Md Sirajus (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2489	FSE Compensated Motion Correction for MRI Using Data Driven Methods	Levac, Brett (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
2493	Improving Trustworthiness of AI Disease Severity Rating in Medical Imaging with Ordinal Conformal Prediction Sets	Lu, Charles (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8

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2496	Deep Geometric Supervision Improves Spatial Generalization in Orthopedic Surgery Planning	Kordon, Florian (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2497	Personalized dMRI Harmonization on Cortical Surface	Xia, Yihao (Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
2505	Bayesian Pseudo Labels: Expectation Maximization for Robust and Efficient Semi-Supervised Segmentation	Xu, Mou-Cheng (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2509	Adaptation of Surgical Activity Recognition Models Across Operating Rooms	Mottaghi, Ali (Registered)	Virtual	Computer-Assisted Interventions	Poster 3
2513	Video-based Surgical Skills Assessment using Long term Tool Tracking	Sarhan, Mohammad Hasan (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2517	Multi-site Normative Modeling of Diffusion Tensor Imaging Metrics Using Hierarchical Bayesian Regression	Villalón-Reina, Julio (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2523	The Semi-constrained Network-Based Statistic (scNBS): integrating local and global information for brain network inference	Dai, Wei (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2524	TGANet: Text-guided attention for improved polyp segmentation	Tomar, Nikhil Kumar (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
2533	Incorporating intratumoral heterogeneity into weakly-supervised deep learning models via variance pooling	Song, Andrew H. (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2552	Pose-based Tremor Classification for Parkinson's Disease Diagnosis from Video	Zhang, Haozheng (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2558	Explaining Chest X-ray Pathologies in Natural Language	Kayser, Maxime (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2559	Multi-task video enhancement for dental interventions	Katsaros, Efklidis (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2562	Unsupervised Domain Adaptation with Contrastive Learning for OCT Segmentation	Gomariz, Alvaro (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2581	Deep Learning based Modality-Independent Intracranial Aneurysm Detection	Bizjak, Žiga (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2587	Unified Embeddings of Structural and Functional Connectome via a Function-Constrained Structural Graph Variational Auto-Encoder	Amodeo, Carlo (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2611	Interpretable Modeling and Reduction of Unknown Errors in Mechanistic Operators	Kumar, Nilesh (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6

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2619	Fusing Modalities by Multiplexed Graph Neural Networks for Outcome Prediction in Tuberculosis	Syeda-Mahmood, Tanveer (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2634	Self-Supervised Learning of Morphological Representation for 3D EM Segments with Cluster-Instance Correlations	Chen, Qihua (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
2636	A Projection-Based K-space Transformer Network for Undersampled Radial MRI Reconstruction with Limited Training Subjects	Gao, Chang (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
2639	Rethinking Breast Lesion Segmentation in Ultrasound: A New Video Dataset and A Baseline Network	Li, Jialu (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2651	Enforcing connectivity of 3D linear structures using their 2D projections	Oner, Doruk (Registered)	In Person	Image Segmentation, Registration & Reconstruction I	Poster 4
2655	A Comprehensive Study of Modern Architectures and Regularization Approaches on CheXpert5000	Ihler, Sontje (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2658	LSSANet: A Long Short Slice-Aware Network for Pulmonary Nodule Detection	Xu, Rui (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2686	Scale-Equivariant Unrolled Neural Networks for Data-Efficient Accelerated MRI Reconstruction	Gunel, Beliz (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
2696	MIRST-DM: Multi-Instance RST with Drop-Max Layer for Robust Classification of Breast Cancer	Xian, Min (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2698	DDPNet: A novel dual-domain parallel network for low-dose CT reconstruction	He, Yuting (Registered)	In Person	Image Segmentation, Registration & Reconstruction II	Poster 6
2703	Deep Multimodal Guidance for Medical Image Classification	Mallya, Mayur (Registered)	In Person	Machine Learning Algorithms and Applications	Poster 8
2706	Brain-Aware Replacements for Supervised Contrastive Learning in Detection of Alzheimer's Disease	Seyfiođlu, Mehmet Saygın (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
2710	Prostate Cancer Histology Synthesis using StyleGAN Latent Space Annotation	Daroach, Gagandeep B. (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2715	Sparse Interpretation of Graph Convolutional Networks for Multi-Modal Diagnosis of Alzheimer's Disease	Zhou, Houliang (Registered)	Virtual	Machine Learning Algorithms and Applications	Poster 8
2723	Opportunistic Incidence Prediction of Multiple Chronic Diseases from Abdominal CT Imaging Using Multi-Task Learning	Blankemeier, Louis (Registered)	In Person	Computer Aided Diagnosis II	Poster 2

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2725	Show, Attend and Detect: Towards Fine-grained Assessment of Abdominal Aortic Calcification on Vertebral Fracture Assessment Scans	Gilani, Syed Zulqarnain (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2727	TMSS: An End-to-End Transformer-based Multimodal Network for Segmentation and Survival Prediction	Saeed, Numan (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2729	On Surgical Planning of Percutaneous Nephrolithotomy with Patient-Specific CTRs	Pedrosa, Filipe (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2730	Fast FF-to-FFPE Whole Slide Image Translation via Laplacian Pyramid and Contrastive Learning	Fan, Lei (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2738	RT-DNAS: Real-time Constrained Differentiable Neural Architecture Search for 3D Cardiac Cine MRI Segmentation	Lu, Qing (Not Registered)	Virtual	Image Segmentation, Registration & Reconstruction I	Poster 4
2739	Surgical Scene Segmentation Using Semantic Image Synthesis with a Virtual Surgery Environment	Yoon, Jihun (Registered)	In Person	Computer-Assisted Interventions	Poster 3
2742	Extended Electrophysiological Source Imaging with Spatial Graph Filters	Liu, Feng (Registered)	Virtual	Computational Physiology & Pathology	Poster 5
2746	Electron Microscope Image Registration using Laplacian Sharpening Transformer U-Net	Song, Yang (Registered)	In Person	Image Segmentation, Registration & Reconstruction III	Poster 7
2756	An Advanced Deep Learning Framework for Video-based Diagnosis of ASD	Cai, Miaomiao (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2758	Multi-institutional Investigation of Model Generalizability for Virtual Contrast-enhanced MRI Synthesis	Li, Wen (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2769	Towards Confident Detection of Prostate Cancer using High Resolution Micro-ultrasound	Gilany, Mahdi (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2777	Feature Re-calibration based Multiple Instance Learning for Whole Slide Image Classification	Chikontwe, Philip (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2792	Consistency-based Semi-supervised Evidential Active Learning for Diagnostic Radiograph Classification	Balaram, Shafa (Registered)	In Person	Computer Aided Diagnosis II	Poster 2
2800	LIDP: A Lung Image Dataset with Pathological Information for Lung Cancer Screening	Ji, Hua (Registered)	In Person	Computer Aided Diagnosis I	Poster 1
2818	Moving from 2D to 3D: volumetric medical image classification for rectal cancer staging	Lee, Joohyung (Registered)	Virtual	Computer Aided Diagnosis I	Poster 1
2822	Self-Rating Curriculum Learning for Localization and Segmentation of Tuberculosis on Chest Radiograph	Lure, Yuan-ming Fleming (Registered)	Virtual	Image Segmentation, Registration & Reconstruction III	Poster 7
2844	RepsNet: Combining Vision with Language for Automated Medical Reports	Tanwani, Ajay (Registered)	In Person	Computer Aided Diagnosis II	Poster 2



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2848	AdaTriplet: Adaptive Gradient Triplet Loss with Automatic Margin Learning for Forensic Medical Image Matching	Nguyen, Khanh (Registered)	In Person	Computational Physiology & Pathology	Poster 5
2849	Mapping in Cycles: Dual-Domain PET-CT Synthesis Framework with Cycle-Consistent Constraints	Zhang, Jiadong (Registered)	Virtual	Image Segmentation, Registration & Reconstruction II	Poster 6
2856	BERTHop: An Effective Vision-and-Language Model for Chest X-ray Disease Diagnosis	Monajatipoor, Masoud (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2
2874	Long-tailed Multi-label Retinal Diseases Recognition via Relational Learning and Knowledge Distillation	Zhou, Qian (Registered)	Virtual	Computer Aided Diagnosis II	Poster 2