

# 5th Conference on Clinical Translation of Medical Image Computing & Computer Assisted Intervention (CLINICCAI)

Daejeon Convention Center I (Room #301), S. Korea  
**September 25 (Thur), 2025**

## 8:00-9:20 Session 1: Diagnostic Imaging & Pathology AI (Moderators: J. Young and Y. Chong)

- Introduction of CLINICCAI 2025 Joon Beom Seo
- Pre-Clinical Multicenter Evaluation of Lunit INSIGHT CXR 4.0: Advancing Chest X-Ray AI Analysis Benoit RIZK
- Bridging Development and Practice: First AI-Assisted Intestinal Ultrasound for Inflammatory Bowel Disease Evaluated on Unprocessed Clinical Images Bobby Lo
- Stochastic AnoGAN: Robust Unsupervised Plaque Detection and Segmentation in Carotid Ultrasound Imaging Arash Saboori
- Automated CT-Based Volumetric Body Composition Analysis Predicts Post-Operative Complications Following Pancreaticoduodenectomy: A Retrospective Study Victoria Gershuni
- Ex-Vivo Evaluation of an Improved Computer-Aided Detection System for Barrett's Neoplasia on Real-World Imaging Conditions Martijn Jong
- Generative AI-Based Translation of Frozen Sections to FFPE: A Pilot Study on Clinical Application to Skin Cancer Resection Margins Sang-Hoon Lee

## 9:30-10:30 Keynote: Bioadhesive ultrasound and telerobotic neurointervention (Main Hall) Xuanhe Zhao

## 11:00-12:30 Poster Session (Moderators: J. Woo) - DCC II

## 13:30-15:00 Session 2: Multimodal & Systems-Level / Foundational-Model AI (Moderators: P. Mascagni and C. K. Jung)

- Prognostic Data Extraction via a Privacy-Preserving Large Language Model: A Clinician-AI Collaborative Evaluation in Head and Neck Oncology Yujing Zou
- Retrospective Analysis of Foundation Models for Breast MR Image Analysis: Comparing Contrast-Enhanced vs Non-Contrast Protocol Tri-Thien Nguyen
- MedARC: A Reinforcement-Learned Multi-Agent Collaboration System for Expert-Level Medical Visual Reasoning Juseong Jin
- AI-Based Spectral Imaging Biomarkers for Recognizing Sepsis and Predicting Mortality in Intensive Care: A Prospective Study of 483 Critically Ill Patients Maximilian Dietrich
- Predictive Radiogenomic AI Model for Patient Stratification in Brain Tumor Immunotherapy Trials Prajwal Ghimire
- GASTRONET-5M: A Multicenter Dataset for Foundation Model Development in Gastrointestinal Endoscopy Martijn Jong
- Artificial Clarity, Clinical Confusion: Reassessing AI-Based Fundus Image Enhancement in Biomarker Prediction Sunjin Hwang

## 15:30-17:00 Session 3: Surgical, Interventional AI (Moderators: O. Meireles and C. W. Jeong)

- Surgical-LLaVA: An Instruction-Tuned Vision-Language Model for Surgical Scenario Understanding Juseong Jin
- Clinical Integration of MR-Derived Contours into Intraoperative TRUS-Guided HDR Prostate Brachytherapy Joel Beaudry
- Feasibility of Intraoperative Transcervical Ultrasound Guidance During Transoral Robotic Surgery: A Prospective Clinical Study Jae Young Kwon
- Integrating Intraoperative 3D Scanned Specimen Maps into Postoperative Radiation Therapy Planning for Head and Neck Cancer: A Feasibility Study Jae Young Kwon
- Robot-Assisted Automated Intra-Cardiac Echocardiography for EP/SHD Procedures: Preclinical Validation in Animal and Heart Phantom Models Young-Ho Kim
- 3D Generative Models for Vertebral Segmentation and Pedicle Screw Path Prediction Byeongkuen Kwon
- Deep Learning-Based Pipeline for Automatic Tissue Differentiation in Surgical Hyperspectral Imaging with Sparse Annotation Oscar MacCormac

## 17:00-18:30 Panel Discussion: From Idea to Product (Moderators: J. B. Seo and J. Woo)

- Clinical Researcher: What is a Valuable Unmet Need? Joe Young
- Engineer in University: How to Translate Unmet Needs into Products at the Lab Level? Jonghye Woo
- Engineer in Industry: How to Make Commercial Product? Kyuhwan Jung
- Legal Approval: Government Perspective Ozanan Meireles
- Legal Approval: Industry Perspective Jason Seo
- Real World Implementation: Practical Issue Pietro Mascagni