

Keynote incl. Free Communication

Research Technology and AI

Saturday, 5 Sep 2026, 1:30 p.m. - 3 p.m., Deck 3-4

Chair: Dirk Schaefer, Stefan Hummelink (Radboudumc)

Exploring the Role of Artificial Intelligence in Decision-Making for Breast Reconstruction after Malignant Breast Pathologies

Presentation time: 6 min

Abstract Presenter: L. De Pellegrin (Inselspital University Hospital)

Deep Learning-enabled Costal Cartilage Segmentation via CT Ushers in the Precision Era of Ear Reconstruction

Presentation time: 6 min

Abstract Presenter: B. H. Wang (Ordos central hospital)

Simulated Microgravity Enhances Post-Exposure Proliferation in Human Adipose Stem Cells for Tissue Engineering Applications

Presentation time: 3 min

Abstract Presenter: G. Z. Zinner (Geneva University Hospital)

Artificial Intelligence as a Surgical Advisor before a DIEP Breast Reconstruction. A Blinded Comparative Study of Three Large Language Models.

Presentation time: 6 min

Abstract Presenter: S. Holm (Örebro University Hospital)

AI-assisted ambient dictation reduces documentation time in a multilingual Swiss hospital setting: a proof-of-concept study

Presentation time: 6 min

Abstract Presenter: M. Gladysz (Cantonal Hospital Aarau AG)

Sensitivity of Photoplethysmography (PPG) to Early Ischemic and Congestive Changes in Free Flap: An In Vitro Phantom Study

Presentation time: 6 min

Abstract Presenter: H. Kodama (City St George's, university of London)

Application of machine learning in facial palsy diagnosis, prognosis and dynamic functional assessment: A systematic review and meta-analysis

Presentation time: 6 min

Abstract Presenter: K. Kiew (Imperial College London)