82 — 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

Clinical application of AI in relation to head and neck reconstructive surgery

Presentation time: 20 min

Speaker: Joep Kraeima

AI-Enabled 3D Planning and Projection-Guided Breast Reconstruction

Presentation time: 20 min

Speaker: Stefan Hummelink

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

Presentation time: 6 min
Discussion time: 2 min

Abstract Presenter: L. De Pellegrin

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

Presentation time: 3 min

Abstract Presenter: G. Z. Zinner

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

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

Presentation time: 6 min
Discussion time: 2 min

Abstract Presenter: M. Gladysz

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

Presentation time: 6 min
Discussion time: 2 min

Abstract Presenter: H. Kodama

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

Presentation time: 6 min
Discussion time: 2 min

Abstract Presenter: K. Kiew

Discussion

Presentation time: 15 min

Speaker: Stefan Hummelink, Joep Kraeima, Dirk Schaefer