Technical advances in neurosurgery and meningioma treatment
Friday November 25, 2022

Morning session, J3:11 Birger & Margareta Blombäck

08:00  Welcome address  
       Karolinska University Hospital

08:10  Professor Annika Tibell  
       Research and innovation at Karolinska

08:20  Director Clinical Science, Manocher Gholghesaei  
       Clinical research and innovation, an industry perspective

Technical advances and innovation

08:30  Professor Claudius Thomé  
       Current concepts in neurosurgery  
       Medical Univ of Innsbruck, Austria

09:00  Med Dr. Simon Skyrman  
       Technical advances for increased accuracy  
       Karolinska University Hospital

09:15  Professor Karin Wårdell  
       Optical methods in neurosurgery  
       Linköping University

09:30  Professor Staffan Holmin  
       Biopsies via the endovascular route  
       Karolinska University Hospital

09:45  Professor Paul Breedveld  
       Innovative instruments  
       Delft University of Technology

10:00  Lawyer Åse Lundh-Gravenius  
       Intellectual property and research  
       Karolinska University Hospital

10:15-10:45 Coffee break
### Meningioma

**10:45**  Professor Michael Jenkinson  
University of Liverpool, UK  
Incidental meningioma and Radiotherapy and adjuvant treatments for grade II meningioma.

**11:15**  Professor Tiit Mathiesen  
University of Copenhagen, Denmark  
Extent of resection, biology and risk of meningioma recurrence

**11:30**  Med dr. Jenny Pettersson-Segerlind  
Karolinska University Hospital  
Quality of life in meningioma surgery

**11:45**  Professor Niklas Marklund  
Lund University  
Spinal meningioma

**12:00**  Professor Bodo Lippitz  
iCERA, Hamburg, Germany  
Gamma-Knife and meningioma

12:15-13:15  Lunch

### Afternoon session, J3:07 Sune Bergströms aula

#### Enhancing perspectives

**13:15**  Professor Walter Jean  
Department of Neurosurgery & Brain Repair, University of South Florida (USF) Morsani School of Medicine, USA  
Augmented and virtual reality in Neurosurgery

**13:45**  Professor Ingela Nyström  
Uppsala University  
Cranio-Maxillofacial Surgery Planning: Interactive Segmentation, Visualization, and Haptics for CT Images

**14:00**  Associate professor Mario Romero  
KTH Royal Institute of Technology  
Visualization of multidimensional data

**14:15**  Professor Charlie Teo  
University of New South Wales, Australia  
Frontiers in minimally invasive tumor neurosurgery

**15:00**  Associate professor Adrian Elmi Terander  
Karolinska University Hospital  
Closing remarks & future perspectives