

July 8th, 2022

INTRODUCTION

7:55-8:00: *Karl Schaller: Opening remarks*

8:00-8:15- *Charles Liu: "New and emerging techniques in epilepsy surgery*

INVASIVE RECORDINGS

8:15-8:30- Paul Constanthin: Soft electrodes allowing for conformal interfacing with the brain cortex: pre-clinical validation and perspectives of clinical translation

8:30-8:45- Stéphanie Lacour: Soft ECoG grids for personalized monitoring

8:45-9:00- George Jallo: SEEG in children

9:00-9:15- Jeffrey Blunt: Trajectory planning in robotic SEEG in children

9:15-9:30- Olaf Schijns: SEEG RadioFrequency ThermoCoagulation (RFTC) in PeriVentricular Nodular Heterotopia (PVNH)

9:30-10:00- DISCUSSION

10:00-10:30- Coffee Break

INVASIVE RECORDINGS (continued)

10:30-10:45- Jorge Gonzalez: Minimizing complications in SEEG

10:45-11:00Johan Pallud: The evolution of SEEG from the early years to 2022, the technical and methodological aspects

11:00-11:15- Francesco Mangano: SEEG vs SDG in pediatric patients with tuberous sclerosis complex

11:15-11:30- Didier Scavarda: Frameless SEEG in children

11:30-11:45- Dennis Spencer: A Multimodal Brain Atlas for Combined Intracranial Electrode Monitoring in patients with Medically Intractable Epilepsy

11:45-12:00- James Baumgartner: SEEG and LITT in cingulate epilepsy

12:00-12:30-DISCUSSION

12:30-13:30- LUNCH

LITT

13:30-13:45- Steven Ojemann : Stereotactic laser amygdalohippocampotomy

13:45-14:00- Guy McKhann: Using LITT to avoid craniotomy

14:00-14:15- Robert Bollo: LITT new applications, pitfalls, complications

14:15-14:30- Robert Gross: Concatenated SEEG, RF ablation and LITT workflow

14:30-14:45- Jon Willie: Limitations of laser ablation: lessons learned.

14:45-15:00- Howard Weiner: TS Surgery 2022

TECHNIQUES

15:00-15:15- Karl Rossler: Image integration in the OR.

15:15-16:00-DISCUSSION

16:00-16:30- Coffee Break

16:30- 16:45- Bayron Alexander Sandoval-Bonilla: Mapping in extratemporal epilepsy

16:45-17:00- Gonzalo Alarcon: Mechanisms of electrical stimulation

17:00-17:15- Christian Dorfer: Current neuronavigation tools in epilepsy surgery.

17:15-17:30- Bertil Rydenhag: Usefulness of AMP-PET in TS surgery in children

17:30-17:45- Gordon Baltuch: FUS in epilepsy

17:45-18:00- Dan Curry: Neurosurgeon's role in gene therapy for epilepsy

18:00-18:30- DISCUSSION

FACULTY DINNER

July 9th, 2022

NEUROMODULATION

8:00-8:15- Vivek Mehta: New Cranial Robot in Epilepsy Surgery

8:15-8:30- Chima Oluigbo: RNS in children

8:30-8:45- Flavio Giordano: Complex cases of VNS revision

8:45-9:00- Jason Gherard: RNS

9:00-9:15- George Ibrahim: CM-DBS

9:15-9:30- Arthur Cukiert: Contact positioning in Hip-DBS

9:30-9:45- Rushna Ali: Combining neuromodulation techniques for management of epilepsy

9:45-10:00- Yemi Damisah: One stage resection+neuromodulation

10:00-10:15- Aria Fallah: Responsive Neural Stimulation of Centromedian Nucleus of the Thalamus for Drug Resistant Epilepsy

10:15-10:45- DISCUSSION

10:45-11:15- Coffee Break

RESECTIONS-DISCONNECTIONS

11:15-11:30- Kensuke Kawai: Posterior quadrant disconnection

11:30-11:45- Garth Rees Cosgrove: Approaching failures

11:45-12:00- Bhaskar: Technical aspects of FCD resection

12:00-12:15- Faisal Aloitaibi: Transcentral sulcus approach

12:15-12:30- Luan Guoming: SEEG guided RF lesions for MCD

12:30-13:00- DISCUSSION

13:00-14:00- LUNCH

RESECTIONS-DISCONNECTIONS (continued)

14:00-14:15- Helio Rubens Machado: Technical challenges in hemimegalencephaly

14:15-14:30- Marec von Lehe: Mesial temporal surgery in the LITT era

14:30-14:45- Ashwini Sharan: Intracerebral drug delivery in epilepsy

14:45-15:00: Massimo Cossu-Ivana Sartori: Intraoperative monitoring with CCEP

15:00-15:15- Mario Alonso Vanegas: T3-fusiform resection in TLE surgery

15:15-15:30- Masaki Iwasaki: Avoiding pyramidal tract injury in opercular insular epilepsy

15:30-16:00- DISCUSSION

16:00-16:30- Coffee-break

RESECTIONS-DISCONNECTIONS (continued)

16:30-16:45- Dirk van Roost: Avoiding cognitive decline in TLE surgery

16:45-17:00- Jean Regis: Radiosurgery for hypothalamic hamartoma

17:00-17:15- Sarat Chandra: Minimally invasive robotic and O-arm guided RF hemispheric disconnection

17:15-17:30- Stenio Sarmento: Minimal keyhole as the best option in TLE surgery

17:30-17:45- Alexander Weil: Insular epilepsy surgery

17:45-18:00- Hans Carmona: Anterior and posterior disconnections

18:00-18:15- David Pitskhelouri: Subtemporal burr hole approach for SAH

18:15-18:45- DISCUSSION