

Programme ESTM 2020 - Geneva

July 9th, 2020

INTRODUCTION

9:00-9:15- **Karl Schaller**: "New and emerging techniques in epilepsy surgery"

INVASIVE RECORDINGS

9:15-9:30- **Paul Constanthin**: Soft electrodes allowing for conformal interfacing with the brain cortex: pre-clinical validation and perspectives of clinical translation

9:30-9:45- **Stéphanie Lacour**: Soft ECoG grids for personalised monitoring

9:45-10:00- **George Jallo**: SEEG in children

10:00-10:15- **Jeffrey Blunt**: Trajectory planning in robotic SEEG in children

10:15-10:30- **Olaf Schijns**: SEEG thermocoagulation in PNH

10:30-11:00- Coffee Break

11:00-11:15- **Jorge Gonzalez**: Minimizing complications in SEEG

11:15-11:30- **Daniel Nilssen**: Accuracy of intraoperative CT in SEEG

11:30-11:45- **Francesco Mangano**: SEEG versus Grids

11:45-12:00- **Didier Scavarda**: Frameless SEEG in children

12:00-12:15- **Dennis Spencer**: Combined surface and depth electrodes monitoring in patients with refractory epilepsy

12:15-12:30- **James Baumgartner**: SEEG and LITT in cingulate epilepsy

12:30-13:45- LUNCH

LITT

13:45-14:00- **Steven Ojemann**: Volumetric Analysis of Stereotactic Laser Amygdalohippocampotomy

14:00-14:15- **Guy McKhann**: Using LITT to avoid craniotomy

14:15-14:30- **Robert Bollo**: LITT new applications, pitfalls, complications

14:30-14:45- **Mark Lee**: LITT in childhood insular epilepsy

14:45-15:00- **Robert Gross**: Concatenated SEEG, RF ablation and LITT workflow

TECHNIQUES

15:00-15:15 **Aria Fallah**: Brain tonometry for intraoperative detection of FCD

15:15-15:30- **Karl Rossler**: Intraoperative MRI

15:30-15:45- **David Adelson**: Cortical mapping

15:45-16:15- Coffee Break

16:15- 16:30- **Bayron Alexander Sandoval-Bonilla**: Mapping in extratemporal epilepsy

16:30-16:45- **Gonzalo Alarcon**: Mechanisms of electrical stimulation

16:45-17:00- **Hugo Pomata**: Role of imaging in eloquent cortex surgery

17:00-17:15- **Christian Dorfer**: 3D surface navigation 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**: FUS in children

FACULTY DINNER

July 10th, 2020

MODULATION

8:45-9:00- **Vivek Mehta**: Integration of advanced imaging modalities in epilepsy surgery

9:00:-9:15- **Chima Oluigbo**: RNS in children

9:15-9:30- **Flavio Giordano**: Complex cases of VNS revision

9:30-9:45- **Tatiana Hertwig**: DBS related anatomy

9:45-10:00- **Shelly Wang**: RNS for epilepsy

10:00-10:15- **Jason Gerard**: RNS

10:15-10:30- **George Ibrahim**: CM-DBS

10:30-10:45- **Arthur Cukiert**: Contact positioning in Hip-DBS

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 Rao Malla**: Surgery for MCD/FCD

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

12:15-12:30- **Luan Guoming**: Multilobar disconnections

12:30-12:45- **Helio Rubens Machado**: Technical challenges in hemimegalencephaly

12:45-13:00- **Marec von Lehe**: Mesial temporal surgery in the LITT era

13:00-14:30- LUNCH

14:30-14:45- **Ashwini Sharan**: Epilepsy surgery as a platform for mapping the mind

14:45-15:00- **Chun Kee Chung**: Alternatives to hemispherotomy for non-hemiplegic hemispheric epilepsy

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

15:15-15:30- **Youssef Coumair**: Perisylvian hemispherotomy

15:30-15:45- **Masaki Iwasaki**: Avoiding pyramidal tract injury in opercular insular epilepsy

15:45-16:00- **Dirk van Roost**: Avoiding cognitive decline in TLE surgery

16:00-16:15- **Stenio Sarmento**: Minimal keyhole as the best option in TLE surgery

16:15-16:30- **Sarat Chandra**: Minimally invasive robotic and O-arm guided RF hemispheric disconnection

16:30-16:45- **Alexander Weil**: The Supracerebellar-transtentorial approach (SCTT) for postero-medial temporal lobe epilepsy

16:45-17:00- **Hans Carmona**: Anterior and posterior disconnections

17:00-17:15- **David Pitskhelouri**: Subtemporal burr hole approach for SAH

17:15-17:30- **Massimo Cossu, Ivana Sartori**: Intraoperative monitoring of language in uncooperative patients

