

# 4<sup>th</sup> Pediatric Neurosurgery Symposium

**24th and 25th June 2020 Auditorium UKBB**  
**26 June 2020 Workshop Anatomy**  
**University Childrens Hospital Basel**



# Program

## Wednesday, 24 June 2020 - CP and spasticity

### **Cerebral palsy I – Chair: PD Dr. S. Grunt, Bern**

- 13.00–13.15 Overview cerebral palsy and spasticity pharmacological treatment - options and their limitations (Dr. S. Jünemann, Basel)
- 13.20–13.45 Treatment of neurogenic scoliosis in cerebral palsy (Prof. C. Hasler, Basel)
- 13.50–14.15 Objective-oriented orthopaedic surgery in cerebral palsy (Prof. E. Viehweger Marseille, France)
- 14.20 –14.35 Baclofen Pumps for cerebral palsy-technique, advantages and disadvantages (Dr. M. Licci, Basel)

### **14.40–15.15 Coffee break**

### **Cerebral palsy II – Chair: Prof. G. Ramelli, Bellinzona**

- 15.15 –15.40 Single level dorsal rhizotomy for cerebral palsy-technique, advantages and disadvantages (PD Dr. J. Soleman, Basel)
- 15:45 –16.10 Rehabilitation after single level rhizotomy for cerebral palsy (PD. Dr. A. Meyer-Heim, Zürich)
- 16:15 –16:40 Current status of cell transplantation in CP (Prof. R. Guzman, Basel)

### **Round Table Discussion: Treatment of spasticity in CP - Chair/Moderation: Prof. M. Edwards, San Francisco**

- 16.45 –17.45 Round Table Discussion Treatment of spasticity (Prof. R. Guzman, Basel, PD Dr. A. Meyer-Heim, Zürich, Prof. E. Viehweger, Marseille and PD Dr. S. Grunt, Bern)

## Thursday, 25 June 2020 - Pediatric craniopharyngioma

- 8.30–8.35 Welcome address (Prof. R. Guzman, Basel)

### **Pediatric Sellar Pathologies Overview - Chair: Prof. M. Reinert, Lugano**

- 8.35–8.50 Overview of Sellar Region Pathologies in Childhood (Dr. A. Bartoli, Geneva)
- 8.55 - 9.10 Embryology of the Sella Region (PD Dr. C. Zweifel, Chur)

- 9.15 - 9.30 Surgical Anatomy of the Transnasal, Transsphenoidal Endoscopic Approach (PD Yves Brand, Chur)
- 9.35-9.50 Surgical Anatomy of the Sella and the 3rd Ventricle (PD. Dr. med. Bozinov, Zurich)
- 9.55-10.20 Radiological Aspects of Sella Pathologies in Childhood (Dr. L. Ben-Sira, Tel Aviv)

**10.20 – 11.00 Coffee Break**

**Pediatric Craniopharyngioma (Part I) – Chair: Prof. J. Fandino, Aarau**

- 11.00 – 11.35 Craniopharyngioma – Overview and Classification (Prof. H. L. Müller, Oldenburg)
- 11.40 – 12.00 Craniopharyngioma Adults vs Children (PD Dr. L. Anderegg, Aarau)

**12.00-13.00 Lunch**

**Pediatric Craniopharyngioma (Part II) – Chair: Prof. L. Mariani, Basel**

- 13.00– 13.30 Surgical Treatment Options of Craniopharyngioma
- 13.00 – 13.15 Endoscopic Transsphenoidal Approach and Pterional Approach (PD Dr. M. Messerer, Lausanne)
- 13.20 – 13.35 Neuroendoscopic Transventricular Approach (Prof R. Guzman, Basel)
- 13.40-14.15 Modern treatment strategies in pediatric Craniophryngioma (Prof. S. Puget, Paris)
- 14.20-14.55 Surgical Treatment of Craniopharyngioma: What has changed over the Years? (Prof. M. Edwards, San Francisco)

**14.30– 15.00 Coffee break**

**Pediatric Craniopharyngioma (Part III) – Chair: Prof. N. von der Weid, Basel**

- 15.30-15.45 Oncological Treatment Options of Craniopharyngioma (Assoc. Prof. K. Scheinemann, Basel/Aarau)
- 15.50-16.05 Radio-oncological Treatment Options of Craniopharyngioma (PD Dr. A. Pica, Villigen)
- 16.10-16.25 Endocrinological Aspects and Long-term Complications of Craniopharyngioma Treatment (Prof. E. Christ, Basel)

# Program

## **Round Table Discussion: Treatment of pediatric craniopharyngioma – Chair/ Moderation: PD Dr. J. Soleman, Basel**

16.30-17.25 Round Table Discussion Craniopharyngioma Treatment  
(Prof. E. Christ, Basel, Prof. M. Edwards, San Francisco, Prof. L. Mariani, Basel, Assoc. Prof. K. Scheinemann, Basel/Aarau, Prof. S. Puget, Paris, PD Dr. A. Pica, Villigen)

**17.25-17.30 Closing remarks (Prof. L. Mariani, Basel)**

**17.30 Apéro riche**

## **Friday, 26 June 2020**

### **Case Discussions and Hands-on Workshop**

Anatomical Institute University of Basel, Pestalozzistrasse 20, 4056 Basel  
(Hands-on limited space for 36 participants)

9.30-9.35 Welcome (Prof. R. Guzman, Library 1st Floor)

### **Case Discussions**

9.35- 11.50 Case Discussions Hydrocephalus  
Case Discussions and Technique of Craniosynostosis surgery

**11.50-12.50 Lunch break**

### **Hands-on – Craniosynostosis – 3D PrintLab**

13.00-14.30 and 14.30-16.00

15 min 3D Print Lab - CAM/CAD for synostosis, Pallacos-PSI  
(PD Dr. F. Thieringer, Dr. J. Beinemann)

75 min Strip Craniectomy, Fronto-orbital Advancement (PD Dr. J. Soleman,  
Prof. C. Kunz, PD Dr. F. Thieringer, Dr. M. Licci)

### **Hands-on – Virtual Reality - Shunt Technology**

13.00-14.30 and 14.30-16.00

45 min Shunt Technology (Mr. Bill Sugleris, Prof. M. Edwards)

45 min Virtual reality – Craniosynostosis (Prof. R. Guzman, Dr. L. Greuter)

**16.05-16.15 Wrap up and Course Evaluation  
(Prof. R. Guzman and PD Dr. J. Soleman)**