

## Sunday, 8th October

07:50-08:00	<b>Course opening and presentation</b> Fabricio G. Goncalves
	<b>SESSION 1 MALFORMATIONS I</b>
08:00-08:45	<b>Embryology and development of the cerebral cortex</b> Thomas Naidich, MD.
08:45-09:15	<b>Brain maturation</b> Nadine Girard, MD.
09:15-09:45	<b>Supratentorial malformations I</b> James Barkovich, MD.
09:45-10:15	<b>Supratentorial malformations II</b> James Barkovich, MD.
10:15-10:45	Coffee break
	<b>SESSION 2 MALFORMATIONS II AND FETAL MRI</b>
10:45-11:15	<b>Infratentorial malformations I</b> James Barkovich, MD.
11:15-11:45	<b>Infratentorial malformations II</b> James Barkovich, MD.
11:45-12:15	<b>Fetal MRI of the brain</b> Ellen Grant, MD.
12:15-12:45	<b>Tubulinopathies</b> Ellen Grant, MD.
12:45-14:00	Lunch
	<b>SESSION 3 MALFORMATIONS III AND FETAL MRI</b>
14:00-14:45	<b>Embryology and development of the spine</b> Thomas Naidich, MD.
14:45-15:15	<b>Fetal MRI of the spine</b> Ellen Grant, MD.
15:15-15:45	<b>Spinal dysraphism</b> Andrea Rossi, MD.
15:45-16:15	Coffee break
16:15-17:45	<b>Workshops</b>
17:45-18:00	Short break
18:00-18:30	Keynote lecture: <b>Epilepsy in pediatric patients</b> James Barkovich, MD.
18:30-19:00	<b>Pannel - Ask the experts</b>

## Monday, 9th October

	<b>SESSION 4 SPINE AND PITUITARY GLAND</b>
08:00-08:30	<b>Spine infection and inflammation</b> Andrea Rossi, MD.
08:30-09:00	<b>Spine and spinal cord tumors</b> Andrea Rossi, MD.
09:00-09:30	<b>Diagnosis of craniocervical junction abnormalities</b> Jorge Dávila, MD.
09:30-10:00	<b>Pituitary gland abnormalities</b> Nadine Girard, MD.
	<b>SESSION 5 NEONATAL DISORDERS</b>
10:00-10:30	<b>Zyka, TORCH and other CNS congenital infections</b> Fátima Aragão, MD.
10:30-11:00	Coffee break
11:00-11:30	<b>Neonatal encephalopathies</b> Ellen Grant, MD.
11:30-12:00	<b>Neonatal metabolic disorders</b> Nadine Girard, MD.
12:00-12:30	<b>Battered child</b> Thierry Huisman, MD.
12:30-13:00	<b>Neuroimaging differential diagnoses to abusive head trauma</b> Nadine Girard, MD.
13:00-13:30	<b>Ultrasound in head and spine</b> Thierry Huisman, MD.
13:30-15:00	Lunch
	<b>SESSION 6 TRAUMA AND ISCHEMIA</b>
15:00-18:45	<b>Workshops</b>
18:45-19:15	Keynote lecture: <b>Conventional and advanced imaging of head trauma in the pediatric population</b> Ellen Grant, MD.



## Tuesday, 10th October

### SESSION 7 VASCULAR DISEASES I

- 08:00-08:30 **Pediatric stroke**  
Manohar Shroff, MD.
- 08:30-09:00 **Update in pediatric stroke management and treatment**  
Vitor Pereira, MD.
- 09:00-09:30 **Pediatric AVMs**  
Vitor Pereira, MD.
- 09:30-10:00 **Cerebral sino-venous thrombosis in Children**  
Manohar Shroff, MD.
- 10:00-10:30 **Intervention in pediatric patients**  
Vitor Pereira, MD.

10:30-11:00 Coffee break

### SESSION 8 VASCULAR DISEASES II AND HEAD & NECK

- 11:00-11:30 **Intracranial aneurysms in the pediatric population**  
Vitor Pereira, MD.
- 11:30-12:00 **Inner ear abnormalities**  
Manohar Shroff, MD.
- 12:00-12:30 **Pediatric head and neck tumors**  
Manohar Shroff, MD.
- 12:30-13:00 **Orbit and sinonasal lesions**  
Carolina Tramontini, MD.
- 13:00-14:30 Lunch
- 14:30-17:30 **Workshops**
- 17:30-18:30 Keynote lecture:  
**Optimizing pediatric brain imaging**  
Thierry Huisman, MD.

## Wednesday, 11th October

### SESSION 9 METABOLIC AND INFLAMMATORY CHANGES IN CNS

- 08:00-08:30 **Metabolic / toxic disorders**  
Zoltan Patay, MD.
- 08:30-09:00 **Leukodystrophies / Leukoencephalopathies**  
Zoltan Patay, MD.
- 09:00-09:30 **ADEM and demyelinating lesions**  
Bruno Soares, MD.

## Wednesday, 11th October

- 09:30-10:00 **Viral and autoimmune encephalitis**  
Manohar Shroff, MD.
- 10:00-10:30 Coffee break
- 10:30-12:10 **Workshops**
- 12:10-14:00 Lunch
- 14:00-15:30 **Workshops**
- 15:30 Free afternoon to study

## Thursday, 12th October

### SESSION 10 TUMORS I

- 08:00-08:30 **Supratentorial tumors part 1**  
Thierry Huisman, MD.
- 08:30-09:00 **Supratentorial tumors part 2**  
Thierry Huisman, MD.
- 09:00-09:30 **Infratentorial tumors - Embryonal tumors**  
Zoltan Patay, MD.
- 09:30-10:00 **Infratentorial tumors - Astrocytomas, ependymomas and extra-axial tumors**  
Zoltan Patay, MD.
- 10:00-10:30 Coffee break

### SESSION 11 TUMORS II

- 10:30-11:00 **Side effects of cancer treatment in children**  
Zoltan Patay, MD.
- 11:00-11:30 **Non-conventional imaging of the head and spine (DTI, PWI, MRS)**  
Thierry Huisman, MD.
- 11:30-12:00 **Pseudoregression, pseudoprogression and radionecrosis**  
Jorge Dávila, MD.
- 12:00-12:30 **Phakomatosis**  
Fabricio G. Goncalves, MD.
- 12:30-14:00 Lunch
- FINAL SESSION**
- 14:00-14:30 **Case review**
- 14:30-16:00 **Final examination**

## Workshops

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- 1 **CNS infections**  
Feliza Restrepo, MD.
  - 2 **TBC-Cysticercosis and other parasit CNS infections**  
Melissa Valdez, MD.
  - 3 **Non conventional assesment of pediatric brain tumor**  
Katuska Casares, MD.
  - 4 **Vascular malformations**  
Juan Pablo Cruz, MD.
  - 5 **Unusual brain tumors**  
Rosana Salvático, MD.
  - 6 **Essentials in neuro fetal MRI**  
Elka Miller, MD.
  - 7 **Temporal bone malformation**  
Mónica Rebollo, MD.
  - 8 **Neonatal and pediatric trauma**  
Ximena Stecher, MD.
  - 9 **Myelination assesment**  
Renato Hofman, MD.
  - 10 **Back pain**  
Cecilia Okuma, MD.
  - 11 **HIE in preterm and term infants**  
Claudia Martínez, MD.
  - 12 **Phakomatosis**  
Víctor Hugo Marussi, MD.
  - 13 **Craniofacial malformations**  
Carlos Rugilo, MD.
  - 14 **Head & neck emergencies**  
Nicolás Sgarbi, MD.
  - 15 **Congenital malformations of the cortical development**  
Leandro Lucato, MD.
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Each workshop lasts 45 minutes and will be done in small groups. The student will participate in all workshops.