

Sunday, 8th October

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

Monday, 9th October

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

- 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.