Sunday, 8th October

07:50-08:00  Course opening and presentation
Fabricio G. Gon alves
Federico G. Lubinus

SESSION 1  MALFORMATIONS I
Moderators:
Jorge Dávila, Carolina Tramontini

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
Moderators:
Fabricio Gonçalves, Fátima Aragão

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. Broader overview
Ellen Grant, MD.

12:45-13:00  Lunch break

SESSION 3  MALFORMATIONS III AND FETAL MRI
Moderators:
Feliza Restrepo, Carlos Rugilo

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 1, 2, 3, 4, 5

17:45-18:00  Short break

18:00-18:30  Keynote lecture:
Epilepsy in pediatric patients
Andrea Rossi, MD.

18:30-19:00  Pannel - Ask the experts

Monday, 9th October

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 craniofacial abnormalities
Jorge Dávila, MD.

09:30-10:00  Pituitary gland abnormalities
Nadine Girard, MD.

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 break

SESSION 4  SPINE AND PITUITARY GLAND
Moderators:
Juan Pablo Cruz, Nohora Castaño

15:00-17:15  Workshops 1, 2, 3, 4, 5

17:15-18:45  Workshops 6, 7, 8, 9, 10

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
Moderators:
Ana M. Quintero, Leandro Lucato

08:00-08:30  Pediatric arterial ischemic stroke
Manohar Shroff, MD.

08:30-09:00  Update in pediatric stroke management and treatment
Teresa Sola, MD.

09:00-09:30  Pediatric AVMs
Teresa Sola, MD.

09:30-10:00  Cerebral sino-venous thrombosis
Manohar Shroff, MD.

10:00-10:30  Intervention in pediatric patients
Teresa Sola, MD.

10:30-11:00  Coffee break

SESSION 8  VASCULAR DISEASES II AND HEAD & NECK
Moderators:
Víctor Marussi, Claudia Martínez

11:00-11:30  Intracranial aneurysms in the pediatric population
Teresa Sola, MD.

11:30-12:00  Inner ear abnormalities
Manohar Shroff, MD.

12:00-12:30  Pediatric head and neck imaging
Manohar Shroff, MD.

12:30-13:00  Orbit and sinonasal lesions
Carolina Tramontini, MD.

13:00-14:30  Lunch break

14:30-16:45  Workshops 6, 7, 8, 9, 10

16:45-17:30  Workshops 11, 12, 13, 14, 15

17:30-18:30  Keynote lecture:
Optimizing pediatric brain imaging
Thierry Huisman, MD.

Wednesday, 11th October

SESSION 9  METABOLIC AND INFLAMMATORY CHANGES IN CNS
Moderators:
Sonia Bermúdez, Rosana Salvañaco

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.

09:30-10:00  Autoimmune encephalitis in children
Manohar Shroff, MD.

10:00-10:30  Interesting cases and approach on brain inflammatory diseases
Giulio Zuccoli, MD.

10:30-11:00  Coffee break

11:00-12:30  Workshops 11, 12, 13, 14, 15

12:30-14:00  Lunch break

14:00-14:30  Case review
Giulio Zuccoli, MD.

14:30-16:00  Explanation for the final examination
Carolina Tramontini, MD.

16:00-17:00  Final examination

17:30-19:30  Farewell reception

Thursday, 12th October

SESSION 10  TUMORS I
Moderators:
Bruno Soares, Katiuzka Casares

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
Moderators:
Ximena Stecher, Cecilia Okuma

10:30-11:00  Side effects of cancer treatment
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. Gonçalves, MD.

12:30-14:00  Lunch break

14:00-14:30  Case review
Giulio Zuccoli, MD.

14:30-16:00  Explanation for the final examination
Carolina Tramontini, MD.

16:00-17:00  Final examination

17:00-18:00  Farewell reception
Workshops

1. Congenital malformations of the cortical development
   Leandro Lucato, MD.

2. Fetal MRI
   Elka Miller, MD.

3. Craniofacial malformations
   Carlos Rugilo, MD.

4. HIE in preterm and term infants
   Claudia Martínez, MD.

5. Unusual brain tumors
   Rosana Salvatico, MD.

6. Myelination assessment
   Renato Hoffman, MD.

7. Phakomatosis
   Víctor Hugo Marussi, MD.

8. Non conventional assessment of pediatric brain tumor
   Katiuzka Casares, MD.

9. CNS infections
   Feliza Restrepo, MD.

10. Vascular malformations
    Juan Pablo Cruz, MD.

11. TBC-Cysticercosis and other parasit CNS infections
    Melissa Valdez, MD.

12. Temporal bone malformation
    Mónica Rebollo, MD.

13. Head & neck emergencies
    Nicolás Sgarbi, MD.

14. Back pain
    Cecília Okuma, MD.

15. Neonatal and pediatric trauma
    Ximena Stecher, MD.

Each workshop lasts 45 minutes and will be done in small groups. The student will participate in all workshops.