



Society of Pediatric Neuroimaging

Part 1: Foundation

Scientific Program
2023-2024 Cycle

SPIN Fellowship

Fellowship of the Society of Pediatric Neuroimaging is awarded upon completion of a structured course run in three parts. The first two parts are comprehensive annual virtual courses: "Foundations" and "Levelling up", didactically covering all aspects of pediatric neuroimaging. The third part is a biannual 3-day in-person celebration of pediatric neuroradiology, taught via workshops, and concluding with an OSCE-style assessment leading to certification.

Candidates may attend the in-person program either in the Far East, India, Middle East, Europe, or the Americas. The virtual and in-person courses can be attended independently but both components must be completed for consideration of the Fellowship award.

Learning Objectives

1. To develop a strong foundational training in all aspects of pediatric neuroradiology as relevant to clinical practice.
2. To understand common adult pathologies and how they may help to better understand pediatric pathologies.
3. To provide standardized and accurate diagnostic reports.
4. To understand the role of research and uncertainty in pediatric neuroradiology.

Feedback for SPIN

"SPIN delivers the best in pediatric neuroimaging. A world-class faculty, exquisite content, comprehensive coverage of all topics, and a very high level of education."

'The best pediatric radiology teaching around! SPIN offers something for all - registrar or seasoned attending.'

'An incredibly informative course which will make a real world impact to the lives of children across the world! Congratulations to the team!!'

'A fantastic, well-structured course. I have certainly gained lots of knowledge from it that I will take with me into my daily practice!'

Top Reasons to Sponsor SPIN

- Associate with the only truly international Pediatric Neuroradiology Society with a world-class reputation and over 200 members.
- Excellent attendance across virtual and in-person components (500 expected attendees).
- Engage with hundreds of expert neuroradiologists, radiologists, neurologists, pediatricians, neurosurgeons, research scientists, and radiographers from across the world.
- Connect with influential departmental and societal decision-makers.
- Abundant opportunities for one-on-one interaction with attendees.
- Market your product and grow your company's visibility in a competitive market.
- Facilitate research in Pediatric Neuroradiology.
- Leverage SPIN's wide-reaching following. The SPIN website registers ~44,000 visits per year from ~80 countries and SPIN has over 5,000 unique followers across its social media handles (Twitter / Instagram).
- Meet old friends and make new ones.

2023-2024 Fellowship Cycle

- Part 1 Foundations: September 15-16 2023, virtual
- Part 2 Levelling up: November 17-18 2023, virtual
- Part 3 The Finale: October 2024, India (Date to be decided)
- 500 expected attendees
- 16 CME points per component (48 total)
- Full program overleaf



Fetal

08:00-09:20

Protocols and review areas
Fetal brain maturation
Ventriculomegaly and hydrocephalus
Posterior fossa anomalies

Gabrielle Colleran
Carolina Guimaraes
Pradeep Krishnan
Matthew Whitehead

Trinity College Dublin, Ireland
University of North Carolina, USA
The Hospital for Sick Children, Canada
Children's Hospital of Philadelphia, USA

Neonatal

09:40-11:00

Cranial ultrasound
Neonatal haemorrhage
Hypoxic-ischemic injury
Mimics of hypoxic-ischemic injury

Ali Yikilmaz
Debarata Bhattacharya
Manohar Shroff
Bruno Soares

McMaster Children's Hospital, Canada
Royal Belfast Hospital, Northern Ireland
The Hospital for Sick Children, Canada
Stanford Children's Hospital, USA

Malformations

11:20-12:40

Cortical development
Malformations of cell proliferation
Callosal abnormalities

Rick Leventer
Gregor Kasprian
Ajay Taranath

Royal Children's Hospital Melbourne, Australia
University of Vienna, Austria
Women's and Children's Hospital, Adelaide

Metabolic

13:00-14:40

Progression of normal myelination
Hypomyelination
Genetic leukoencephalopathies
Basal ganglia - thalamic patterns
Adult leukodystrophies

Helen Branson
Asthir Biswas
Edward Yang
Shekeeb Mohammad
Gaurav Saigal

The Hospital for Sick Children, Canada
Great Ormond Street Hospital, London
Boston Children's Hospital, USA
Westmead Children's Hospital, Sydney
University of Miami Miller, USA

Head & neck

15:00-16:20

Craniosynostosis
Paranasal sinuses
Neck spaces and pathologies
Cranial Nerves

Ajay Taranath
Stephen Kralik
Amy Juliano
Suresh Mukherji

Women's and Children's Hospital, Adelaide
Texas Children's Hospital, USA
Boston Children's Hospital, USA
Marian University, USA

Signing off

16:40-17:15

Consolidating cases - Middle Earth

Mika Shapira Rootman

Rambam Health Care Campus, Israel



Vascular

08:00-09:20

Vasculogenesis & applied vascular anatomy
Childhood arterial stroke
Learning from stroke
Vascular malformations

Lea Alhilali
Anna Trofimova
Mesha Martinez
David Lord

Barrow Neurological Institute, USA
Children's Healthcare of Atlanta, USA
Indiana University, USA
Westmead Children's Hospital, Sydney

Infections

09:40-11:00

Bacterial infections
Viral infections
Fungal infections
Protozoal infections

Amal Saleh
Nihaal Reddy
Atin Kumar
Leandro Lucato

Addis Abbaba University, Ethiopia
Rainbow Children's Hospital, India
All India Institute of Medical Sciences, India
University of Sao Paulo, Brazil

Neuro-oncology

11:20-13:00

Glioma
Ventricular tumors
Sellar-suprasellar tumors
Posterior fossa tumors
Long-term epilepsy-associated tumors

Asim Bag
Tushar Chandra
Korgun Koral
Camilo Jaimes
Alok Jaju

St Jude Children's Research Hospital, USA
Nemours Children's Hospital, USA
Southwestern University, USA
Massachusetts General Hospital, USA
Lurie Children's Hospital, USA

Epilepsy

13:20-14:40

Epilepsy imaging protocols
The child with acute seizures
Epilepsy substrates
Focal cortical dysplasia

Michael Kean
Karuna Shekdar
Deepak Gill
Maarten Lequin

Royal Children's Hospital Melbourne, Australia
Children's Hospital of Philadelphia, USA
Westmead Children's Hospital, Australia
UMC Utrecht, Netherlands

Spine

15:00-16:20

Normal human spine development
Spinal malformations
Myelopathies
Spine trauma

Andrew Copp
Mai-Lan Ho
Ozgur Oztekin
Suzanne Laughlin

University College London, UK
Nationwide Children's Hospital, USA
Bakircay University, Turkey
The Hospital for Sick Children, Canada

Signing off

16:40-17:15

Consolidating cases - Wild West

Judy Gadde

Lurie Children's Hospital, USA





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