

## IPSO 2024 Congress Program

Inspiring Innovation, Transforming Care and Improving Outcomes in Pediatric Stroke

March 22<sup>nd</sup>-24<sup>th</sup>, 2024

Toronto, Canada

### IPSO 2024 Congress Session Dates/Times:

Friday, March 22<sup>nd</sup>, 2024: 9:00AM-6:35PM EDT

Saturday, March 23<sup>rd</sup>, 2024: 8:30AM-6:15PM EDT

Sunday, March 24<sup>th</sup>, 2024: 8:00AM-1:30PM EDT

### Pre-Congress Events Date/Times:

Friday, March 22<sup>nd</sup>, 2024: 8:00AM-9:00AM EDT

### Post-Congress Events Date/Times:

Saturday, March 23<sup>rd</sup>, 2024: 7:00PM-9:30PM EDT

Sunday, March 24<sup>th</sup>, 2024: 12:30PM-2:30PM EDT

### The IPSO 2024 Congress will offer:

- Both multidisciplinary and international speakers
- Diverse content of interest to multiple disciplines
- Content will range from clinical review sessions to clinical debates
- Oral Abstract & Poster Sessions
- Networking with Colleagues & Industry Sponsors
- IPSO committees, councils, and working groups meetings

Registration: <https://members.internationalpediaticstroke.org/event/IPSO2024Congress>

Website: <https://internationalpediaticstroke.org/2024-congress/>

**PNCRG Meeting:** The Pediatric Neurocritical Care Research Group (PNCRG) is hosting their spring meeting on Thursday, March 21st, 2024, the day before the IPSO 2024 Congress starts. The PNCRG meeting will also be held at the Hospital for Sick Children. Checkout their website for more information on how to attend their meeting: <https://www.pncrg.org/>.

*Note: This program is subject to change.  
Times in EDT*

### Pre-Congress: Friday, March 22<sup>nd</sup>, 2024

- 8:00AM-9:00AM: Check-In & Poster Set Up (Odd Numbers)

### Day 1: Friday, March 22<sup>nd</sup>, 2024 9:00am-5:30pm

- 9:00AM: Opening of the IPSO 2024 Congress (General Assembly): Updates on Collaborative Initiatives

- **9:30AM: Keynote: Pushing the Envelope for Pediatric Cerebrovascular Disease: Evolution of a Novel Fetal Treatment Approach for VOGM**  
**Moderator:** Heather Fullerton, MD, MAS | Neurology | San Francisco, United States  
**Speaker:** Darren Orbach, MD, PhD | Neurointerventional Radiology | Boston, United States
- **10:00AM: Session #1: Clinical Focus: Advances in the Care of Cerebral Vascular Malformations**  
**Moderators:**  
 Silvia Buratti, MD | Neonatology and Neurocritical Care | Genoa, Italy  
 Anthony Wang, MD | Neurosurgery | Los Angeles, United States  
**Speakers:**  
**Title: Genetics of intracranial vascular malformations in children and the role of endovascular biopsy**  
 Daniel Cooke, MD | Neurointerventional Radiology | San Francisco, United States  
**Title: Standard and controversial approaches to treating cavernous malformations: surgical resection to oblitative surgery to medical management**  
**Speaker:** *Coming soon!*
- **11:00AM: Session #2: Clinical Highlight: Cerebral Proliferative Angiopathy**  
**Moderator:** Tim Bernard, MD | Neurology | Aurora, United States  
**Title: Cerebral Proliferative Angiopathy**  
**Speaker:** Alfred See, MD | Neurointerventional Radiology & Neurosurgery | Boston, United States
- **11:30AM-1:00PM: Lunch and Poster Session (Odd Posters)**
- **1:00PM: Oral Abstracts Session #1**
- **2:00PM-2:10PM: Break**
- **2:10PM: Session #3: Clinical Focus: Idiopathic intracranial hypertension (IIH) as a Venous Disease**  
**Moderator:** Matt Amans, MD | Neurointerventional Radiology | San Francisco, United States  
**Speakers:**  
**Title: "Idiopathic intracranial hypertension" versus "symptomatic venous stenosis": what is the evidence?**  
 Mesha Martinez, MD | Neurointerventional Radiology | Indianapolis, United States  
**Title: The glymphatic system – what it means, how we can image it, and how it might play a role in IIH**  
 Birgit Ertl-Wagner, MD, PhD, MHBA, FRCPC | Neuroradiology | Toronto, Canada  
**Title: Endovascular management of IIH: Pros and Cons**  
 Grégoire Boulouis, MD, PhD | Neurointerventional Radiology | Tours, France
- **3:20PM-3:40PM: Break**
- **3:40PM: Clinical Review #1: Fetal and Perinatal Stroke**  
**Moderators:**  
 Andra Dingman, MD | Neurology | Aurora, United States  
 Janette Mailo, MD, PhD | Neurocritical Care Neurology | Washington D.C, United States  
**Speakers:**  
**Title: Fetal and perinatal stroke: the spectrum from venous to arterial to hemorrhagic stroke**  
 Maria Luisa Tataranno, MD, PhD | Neonatal Neurology | Utrecht, Netherlands  
**Title: Improving function for perinatal stroke survivors: from standard to experimental approaches**  
 Iona Novak, PhD, OT | Professor & Occupational Therapist | Sydney, Australia
- **4:30PM: Harnessing Multidisciplinary Care for Hyperacute Pediatric Stroke**

**Moderators:** Kristin Guilliams, MD, MSCI | Neurocritical Care Neurology | St. Louis, United States  
Mahendra Moharir, MBBS, MD, M.Sc., FRACP | Neurology | Toronto, Canada

**Speakers:**

María Celeste Buompadre, MD | Neurology | Buenos Aires, Argentina  
Samyami Chowdhury, BSc(hons), MBChB, MRCPCH | Neurology | Toronto, Canada

**Panelists:**

Dana Harrar, MD, PhD | Neurocritical Care Neurology | Washington D.C, United States  
Elbert John Layug, MD, DPPS, FCNSP, FPNA | Neurology Stroke Fellow | Toronto, Canada  
Jennifer Quon, MD | Neurosurgery | Toronto, Canada  
Adam Rennie, MB, BS, BMSc, FRCR | Neurointerventional Radiology | London, United Kingdom  
Marcela Torres, MD | Hematology | Fort Worth, United States

- **5:30PM: Day 1 Ends**
- **5:35PM-6:35PM: Poster Removal (Odd Numbers)**
- **5:35PM-6:35PM: AVM Research Interest Group Meeting**

**Moderators:** Helen Kim, MPH, PhD | Professor | San Francisco, United States  
Ethan Winkler, MD, PhD | Neurosurgery | San Francisco, United States

## Day 2: Saturday, March 23<sup>rd</sup>, 2023 8:30am-5:00pm

- **7:30AM-8:30AM: Poster Set Up (Even Numbers)**
- **8:30AM: Day 2 Welcome**
- **8:30AM: Challenging Case Conference**
- **10:00AM: Global Perspective Session**

**Moderators:**

Ilona Kopyta, PhD, MD | Neurology | Katowice, Poland  
Manish Parakh, MD | Neurology | Jodhpur, India

- **10:30AM-10:45AM: Break**
- **10:45AM: Session #4: Clinical Focus: Endovascular Thrombectomy (EVT) in Children with Large Vessel Occlusion**

**Moderator:** Amanda Baker, MD | Neurointerventional Radiology | New York City, United States

**Speakers:**

**Title: Overview of Pediatric LVO: Picking Patients and Avoiding Pitfalls**

Lucia Gerstl, MD | Neurology | Munich, Germany

**Title: Emerging Adult Literature and How It Should Affect Pediatric Practice**

Kartik Bhatia, MD | Neurointerventional Radiology | Sydney, Australia

**Title: The Evolution of Pediatric EVT: New Results from the SaveChilds Study**

Peter Sporns, MD | Neurointerventional Radiology | Basel, Switzerland

- **11:45AM-1:15PM: Lunch and Poster Session (Even Posters)**
- **1:15PM: Session #5: Scientific Session: Anatomy and Biology of Cerebrovascular Disease in Childhood**

**Moderator:** *Coming soon!*

**Speakers:**

**Title: Insights from single cell genomics on the development of cerebral vasculature**

Thomas Wälchli, MD, PhD | Neurosurgery | Zürich, Switzerland

**Title: Genetic Discovery for Cerebral Vascular Malformations: The Story of the KRAS Mutation**

Ivan Radovanovic, MD, PhD, FMH | Neurosurgery | Toronto, Canada

**Title: Biology of Pediatric Aneurysms and Drivers of Growth**

Speaker: *Coming soon!*

- **2:45PM-3:00PM: Break**
- **3:00PM: Clinical Review #2: Stroke in Congenital Heart Disease: Risks and Neurodevelopmental Outcomes**

**Moderators:**

Elizabeth Mayne, MD, PhD | Neurocritical Care Neurology | Palo Alto, United States

Christine Mrakotsky, PhD | Neuropsychology | Boston, United States

**Speakers:**

**Title: Monitoring for Stroke in the Congenital Heart Disease Population in the ICU**

Michele Mills, RN, MSN, CPNP | Neurocritical Care Nurse Practitioner | Chicago, United States

**Title: Neuropsychological outcomes and interventions in the Congenital Heart Disease Population (with or without stroke)**

Renee Sananes, Ph.D, C. Psych | Psychology | Toronto, Canada

- **3:45PM: Clinical Review #3: Michael Scott Memorial Symposium on Clinical Management of Moyamoya**

**Moderators:**

Manoëlle KOSSOROTOFF, MD | Neurology | Paris, France

Ed Smith, MD, MBA | Neurosurgery | Boston, United States

**Speakers:**

**Title: Moyamoya medical management**

Speaker: *Coming soon!*

**Title: Beyond moyamoya disease: moyamoya and associated conditions**

Ji Hoon Phi, MD | Neurosurgery | Seoul, South Korea

**Title: How should imaging guide decision making in moyamoya?**

Nadia Khan, MD | Neurosurgery | Zürich, Switzerland

- **5:00PM: Day 2 Ends**
- **5:05PM: Group Photo**
- **5:15PM-6:15PM: Poster Removal (Even Numbers)**
- **5:15PM-6:15PM: Moyamoya Research Interest Group Meeting**

**Post Congress: Saturday, March 23<sup>rd</sup>, 2023**

- **7:00PM-9:30PM: Congress Dinner Event**

**Day 3: Sunday, March 24<sup>th</sup>, 2024, 8:00am-12:30pm**

- **8:00AM: Clinical Review #4: Tools for Managing Pediatric Cerebrovascular Disease**

**Moderator:** Sudhakar Vadivelu, DO | Neurosurgery | Cincinnati, United States

**Speakers:**

**Title: Antithrombotic treatment for childhood ischemic stroke: arterial and venous**

Gordana Kovacevic, MD | Neurology | Belgrade, Serbia

Olivera Serbic, MD, PhD | Hematology | Belgrade, Serbia

**Title: Endovascular devices and their improvements over time**

Alhamza Al-Bayati, MD | Neurointerventional Radiology | Pittsburgh, United States

- **9:00AM: Day 3 Welcome**
- **9:00AM: Session #6: Clinical Debates: Controversies in Managing Brain AVMS**

**Moderator:** Rabia Qaiser, MD, FAANS | Neurosurgery | Indianapolis, United States

**Speakers:**

**Title: AVMs in HHT: When to treat? When not to treat?**

Greg James, MD, PhD, FRCS | Neurosurgery | London, United Kingdom

**Title: AVMs in HHT: When not to treat?**

Amal Abou-Hamden, MBBS, B.Med.Sc.(Hons) FRACS | Neurosurgery | Adelaide, Australia

**Title: Risk of AVM recurrence in the pediatric population**

Rashmi Saraf, MD | Neurointerventional Radiology | Mumbai, India

**Title: Mixed modality approach to treating high-grade brain AVMs**

Nalin Gupta, MD, PhD | Neurosurgery | San Francisco, United States

- **10:30AM-10:40AM: Break**
- **10:40AM: Session #7: Clinical Focus: Looking Towards the Future: Technology Improving the Care of Cerebrovascular Diseases in Children**

**Moderator:** Adam Kirton, MD, MSc, FRCPC | Neurology | Alberta, Canada

**Speakers:**

**Title: 3-D Modeling of cerebral aneurysms and AVMs**

Carmen Parra-Farinas, MD, PhD | Neuroradiology | Toronto, Canada

**Title: Gaming for rehabilitation: Bootle Blast**

Trish Domi, PhD | Post Doctoral Researcher | Toronto, Canada

**Title: Invasive brain-computer interface: current state and potential to help pediatric stroke survivors**

Alex Silva | Student MD/PhD | San Francisco, United States

- **11:35AM: Collaborative Research Updates from IPSO Members**
- **12:05PM: Closing Remarks**
- **12:15PM: IPSO 2024 Congress Ends**
- **12:30PM-1:30PM: Optional Breakouts for IPSO Committees, Councils & Working Group**
- **12:30PM-1:30PM: Workshop: Endovascular Workshop for Pediatric Ischemic & Hemorrhagic Stroke**

## Post-Congress: Sunday, March 24<sup>th</sup>, 2024

- **12:30PM-2:00PM: IPSO Board of Directors Meeting**
- **2:00PM-3:0**
- **0PM: IPSO Steering Committee Meeting**

The IPSO 2024 Congress is supported by the below sponsors. We would like to extend our gratitude to each sponsor for their generous support.

### Gold Level:

#### Bayer

#### Description:

Bayer is a global enterprise with core competencies in the life science fields of health care and nutrition. Its products and services are designed to help



people and the planet thrive by supporting efforts to master the major challenges presented by a growing and aging global population. Bayer is committed to driving sustainable development and generating a positive impact with its businesses. The Bayer brand stands for trust, reliability and quality throughout the world.

**Website:** [Advancing Life at Bayer | Bayer](#)

**Facebook:** <https://www.facebook.com/Bayer>

**Twitter:** <https://twitter.com/bayer>

**LinkedIn:** <https://www.linkedin.com/company/bayer/>

**Contact:**

Pablo Iveli

Email: [pablo.ivelibayer.com](mailto:pablo.ivelibayer.com)

**Silver Level:**

**Moyamoya Foundation**

**Description:**

Founded in 2018, the Moyamoya Foundation (aka MoyaMoya Foundation Co) is a disease focused 501(c)(3) non-profit foundation. Moyamoya vasculopathy is a rare, progressive group of diseases in which the main arteries supplying the brain with blood (the internal carotid arteries and intracranial branches) narrow overtime and collateral vessels called “moyamoya vessels” develop as an attempt to compensate for the lack of blood flow. Moyamoya patients are at increased risk for stroke, among other neurological complications. Currently, the typical intervention for moyamoya patients is revascularization surgery.



We are a fully volunteer organization consisting of many moyamoya patients, caregivers, and others with personal connections to moyamoya disease. We are managed by a six-member Board of Directors and our primary funding comes from donations through social media and our website.

Our mission is to promote awareness of moyamoya and advance moyamoya research through collaboration with healthcare professionals and academics about research priorities for moyamoya patients. We also provide assistance to families and patients undergoing moyamoya treatment.

We recently launched the "Global Moyamoya Patient Registry", a collective effort to gather comprehensive data about this rare disease. Patients can securely share important data such as, demographics, symptoms, treatments, family history, and unique experiences of living with a rare disease, such as delays in diagnosis, misdiagnosis, and travel considerations for specialty care. This collection of data will be used by researchers to improve outcomes for patients.

**Website:** <https://moyamoya-foundation.org/>

**Facebook** – <https://www.facebook.com/moyamoyafoundation>

**LinkedIn** – <https://www.linkedin.com/company/mmfc/?viewAsMember=true>

**X (Twitter)** - [@moyamoyafdn](#)

**Contact:**

Dean Houle: [dhoule@moyamoya-foundation.org](mailto:dhoule@moyamoya-foundation.org)

Catherine Stratton: [cstratton@moyamoya-foundation.org](mailto:cstratton@moyamoya-foundation.org)

## **Institutional Partner**

### **Sickkids: Neurosciences and Mental Health (NMH)**

#### **Description:**

We are uncovering innovative solutions for mitigating and curing brain diseases in children. The Neurosciences & Mental Health research program focus on the development and plasticity of complex neural systems in animal models and humans through a variety of approaches including molecular genetics, electrophysiology, behavior, cognition and neuroimaging. As a leader in paediatric neurosciences and mental health, and a hub of discovery for applied mental health research at SickKids, we've made a number of important research discoveries and published high-impact papers, translating our work into better health outcomes for children and youth.

**Website:** <https://www.sickkids.ca/en/research/research-programs/neurosciences-mental-health/>

#### **Contact:**

Donald Mabbott: donald.mabbott@sickkids.ca

Julie Ruston: julie.ruston@sickkids.ca

## **Neurosciences & Mental Health**

## **Institutional Partner**

### **Sickkids: Research Institute**

#### **Description**

The SickKids Research Institute (RI) is Canada's largest, hospital-based child health research institute conducting and translating groundbreaking research, training the next generation of researchers, and supporting global scientific communities with knowledge and state-of-the-art facilities. We're taking more discoveries from the lab bench to the bedside, making a bigger impact on children's lives around the world, sooner.

**Website:** <https://www.sickkids.ca/en/research/about-research-institute/>

#### **Contact:**

Stephen Scherer: Stephen.Scherer@sickkids.ca

Allison Gignac: allison.gignac@sickkids.ca