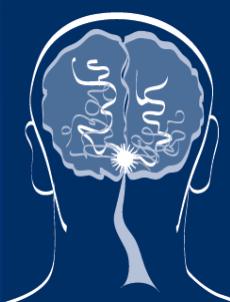


# 18TH ANNUAL INTERVENTIONAL NEURORADIOLOGY SYMPOSIUM

September 15th - 16th, 2017 - Peter Gilgan Centre Toronto



## Venue

Peter Gilgan Centre for Research and Learning, 686 Bay St, Toronto

Towering 21 stories at the corner of Bay and Elm, the Peter Gilgan Centre for Research and Learning stands as a testament to the past, present, and future of scientific achievement in health care. Located within Toronto's Discovery District, the Gilgan Centre is 30 minutes from Pearson International Airport, 10 minutes from Billy Bishop Airport and within walking distance from both St. Patrick and Dundas Subway stations. Multiple hotels are in walking distance.



## Registration Fees

Physicians in Training (Residents/Fellows)	before / after Sep 1 / 1-day
	- 250 Can\$ / 300 / 200
WFITN, CSNR and CING Members	- 300 Can\$ / 350 / 225
All other Physicians	- 350 Can\$ / 400 / 250
Other Health Professionals	- 250 Can\$ / 300 / 200

Registration Fees include breakfast and lunch on Friday and Saturday as well as admission to the course dinner. Registration are made through our Website: <http://www.cpd.utoronto.ca/inr/>

## Faculty

R. Agid, Toronto, Canada  
A. Bharatha, Toronto, Canada  
P. Brouwer, Stockholm, Sweden  
L. daCosta, Toronto, Canada  
M. Gounis, Worcester, USA  
M. Goyal, Calgary, Canada  
C. Hamani, Toronto, Canada  
D. Lopes, Chicago, USA  
S. Jhas, Toronto, Canada  
Z. Kaderali, Winnipeg, Canada  
M. Kelly, Saskatoon, Canada  
T. Krings, Toronto, Canada  
C. Lum, Ottawa, Canada  
T. Marotta, Toronto, Canada  
G. Milot, Quebec, Canada  
A. Moody, Toronto, Canada  
P. Muthusami, Toronto, Canada  
C. O'Kelly, Edmonton, Canada  
D. Orbach, Boston, USA  
V. Pereira, Toronto, Canada  
I. Radovanovic, Toronto, Canada  
G. Redekop, Vancouver, Canada  
A. Rennie, London, UK  
G. Rinkel, Utrecht, Netherlands  
F. Robertson, London, UK  
D. Roy, Montreal, Canada  
J. Shankar, Halifax, Canada  
M. Shroff, Toronto, Canada  
A. Siddiqui, Buffalo, USA  
F. Silver, Toronto, Canada  
K. Terbrugge, Toronto, Canada  
B. vanAdel, Hamilton, Canada  
V. Yang, Toronto, Canada



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## WELCOME ADDRESS

Now in its 18<sup>th</sup> year, the Annual Interventional Neuroradiology Symposium will continue to integrate: integrate both the conceptual and practical aspects of our field, integrate various fields including basic sciences, Neurology, Neurosurgery and Imaging, and, most importantly integrate the various schools of thought and practice across Canada. As such, we are again very happy to have contributions from all over Canada in our Symposium and infuse this with additional international experts from the US and Europe.

This year, we will host our symposium in the Peter Gilgan Centre for Research and Learning in Downtown Toronto just across the Hospital for Sick Children. Fittingly, one major focus will be Pediatric Intervention and we have experts from the Children's Hospital in Boston (Darren Orbach) and Greater Ormond Street Hospital in London, UK (Drs Robertson and Rennie) to teach us. Stroke, its Prevention and its conceptual and organizational aspects as well as Aneurysms – from concepts to challenges will be heavily presented including round table discussions and interactive audience participation.

With international experts like Matthew Gounis, Adnan Siddiqui, Demetrius Lopes, Patrick Brouwer, and Gabriel Rinkel we hope that our program will attract again a large number of participants to ensure lively discussions in a vibrant and collegial environment.

We are looking forward to welcoming you to Toronto in September 2017!

## Timo Krings MD FRCP(C), Course Director

The David Braley and Nancy Gordon Chair in Interventional Neuroradiology : Chief of Diagnostic and Interventional Neuroradiology; Professor, Departments of Radiology and Surgery ; University of Toronto

## 3<sup>rd</sup> Annual Karel G. Terbrugge Lectureship

The Karel G. terBrugge Lectureship was inaugurated in 2015 to honor the legacy of one of the pioneers and leading figures of Interventional and Diagnostic Neuroradiology in the World. Dr. terBrugge has – through his leadership, his research and his teaching, as well as through his clinical expertise – transformed the field of Neuroradiology, as well as the lives of his fellows, students and patients. This lectureship aims to highlight and honor each year an outstanding physician in the field of Interventional and Diagnostic Neuroradiology, Neurology, Neurosurgery or our related disciplines. This year's recipient of the Karel G. terBrugge Lectureship will be Prof. Gabriel Rinkel and he will highlight concepts on development, growth and rupture of aneurysms.

## Continuing Professional Development

Faculty of Medicine, University of Toronto  
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Tel: 416.978.2719 | Toll free: 1.888.512.8173  
Email: [info-MIM1704@cpdutoronto.ca](mailto:info-MIM1704@cpdutoronto.ca)

## FOR INFORMATION

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## DAY 1 – FRIDAY, SEPTEMBER 15, 2017

### New Frontiers in Minimal Invasive Therapies

Moderator: *Victor Yang*

8:00	<b>Focused Ultrasound</b> <i>Clement Hamani</i>
8:20	<b>Minimal Invasive Intraparenchymal Hemorrhage Aspiration and Lysis</b> <i>Demetrius Lopes</i>
8:40	<b>Combined open surgical-endovascular Approaches – When and Why?</b> <i>Ivan Radovanovic</i>
9:00	<b>Tissue Engineering for Brain Aneurysms</b> <i>Matthew Gounis</i>
9:20	<b>OCT in Neurovascular Decision Making – Ready for Prime Time?</b> <i>Patrick Brouwer</i>
9:40	<b>3D Printing in Neurointervention: Tool or Toy?</b> <i>Adnan Siddiqui</i>
10:00	<b>Integrated Stroke Imaging using a Flatpanel Angiography</b> <i>Vitor Pereira</i>
10:30	<b>Refreshment Break with Exhibitors</b>
<b>Challenges in Stoke</b>	
Moderator: <i>Gary Redekop</i>	
11:00	<b>Managing Tandem Occlusions</b> <i>Cheemum Lum</i>
11:20	<b>Acute Dissections and Ischemic Stroke</b> <i>Gary Redekop</i>
11:40	<b>ADAPT vs SOLUMBRA vs BGC Thrombectomy: When to use what technique</b> <i>Brian van Adel</i>
12:00	<b>Acute Stroke in Children: Technical Aspects</b> <i>Darren Orbach</i>
12:20	<b>Discussion</b>
12:30	<b>Lunch</b>

### Pediatric Neurointervention - Concepts

Moderator: *Vitor Pereira*

13:30	<b>Non-vascular Pediatric Neurointerventions</b> <i>Prakash Muthusami</i>
13:50	<b>HHT in the pediatric Agegroup: Neurovascular Phenotypes and Treatment</b> <i>Timo Krings</i>
14:10	<b>Dural A/V lesions in the pediatric agegroup</b> <i>Karel Terbrugge</i>
14:30	<b>Retinoblastoma Treatment</b> <i>Fergus Robertson</i>
14:50	<b>Refreshment Break with Exhibitors</b>

### Pediatric Neurointervention - Cases

Moderator: *Manohar Shroff*

15:10	<b>Pediatric Neurointerventions – An interactive Potpourri from London</b> <i>Adam Rennie</i>
15:30	<b>Pediatric Neurointerventions – An interactive Potpourri from Boston</b> <i>Darren Orbach</i>
15:50	<b>Pediatric Neurointerventions – An interactive Potpourri from Toronto</b> <i>Vitor Pereira</i>

### Challenges in Intervention

Moderator: *Zul Kaderali*

16:10	<b>How I got into and out: Complications in Coiling – Case discussions</b> <i>Cian O'Kelly</i>
16:40	<b>How I got into and out: Complications in Flowdiversion – Case discussion</b> <i>Mike Kelly</i>
17:10	<b>How I got into and out: Complications in Stroke/Stenting – Case discussion</b> <i>Patrick Brouwer</i>

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## DAY 2 – SATURDAY, SEPTEMBER 16, 2017

### Stroke Prevention

Moderator: *Daniel Roy*

8:00	<b>Identify and stabilize the vulnerable carotid plaque</b> <i>Alan Moody</i>
8:20	<b>Current Status: CAS vs CEA vs medical treatment</b> <i>Frank Silver</i>
8:40	<b>To protect or not to protect in CAS: Is there Evidence or Consensus?</b> <i>Daniel Roy</i>
9:00	<b>Subclavian and extracranial Vertebral Stenting</b> <i>Vitor Pereira</i>
9:20	<b>Challenging Cases – What would you do?</b> <i>Leo da Costa</i>
10:00	<b>Refreshment Break with Exhibitors</b>

### Stroke – Concepts

Moderator: *Jai Jai Shankar*

10:30	<b>Clot: origin, etiology and imaging</b> <i>Matthew Gounis</i>
10:50	<b>Current Imaging Approach in Acute Stroke – the Calgary Model</b> <i>Mayank Goyal</i>
11:10	<b>Building Stroke Systems – The Saskatchewan experience</b> <i>Mike Kelly</i>
11:30	<b>Update on and Rationale behind current and future Stroke Trials</b> <i>Vitor Pereira</i>
12:00	<b>Lunch</b>

### ACCREDITATION

This event will be an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and will be approved by Continuing Professional Development, Faculty of Medicine, University of Toronto, to a maximum of 14.5 hours. Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to AMA PRA Category 1 Credits™.

### Aneurysms – Challenges

Moderator: *Sumit Jhas*

13:00	<b>Should we treat poor Grade SAH patients? Evidence &amp; Personal Experience</b> <i>Genevieve Milot</i>
13:20	<b>Incidental imaging findings after aneurysm treatment</b> <i>Ronit Agid</i>
13:50	<b>Imaging Follow-up of Flowdiversion</b> <i>Aditya Bharatha</i>
14:10	<b>Fusiforme vertebrobasilar Aneurysms – There is no therapeutic solution</b> <i>Adnan Siddiqui</i>
14:30	<b>Fusiforme vertebrobasilar Aneurysms – There is a therapeutic solution</b> <i>Demetrius Lopes</i>
14:45	<b>Roundtable Discussion with the Audience</b> <i>Tom Marotta, Michael Kelly, Victor Pereira, Adnan Siddiqui, Demetrius Lopes</i>
15:00	<b>Refreshment Break with Exhibitors</b>
<b>Aneurysms – Concepts</b>	
Moderator: <i>Tom Marotta</i>	
15:30	<b>Genetics and Aneurysms; Familial and Sporadic Aneurysms</b> <i>Gabriel Rinkel</i>
15:50	<b>Fluid Dynamics and Aneurysms</b> <i>Matthew Gounis</i>
16:10	<b>Inflammation and Aneurysms</b> <i>Timo Krings</i>
<b>3rd Annual Karel Terbrugge Lecture</b>	
Moderator: <i>Timo Krings</i>	
16:30	<b>Risks of development, growth and rupture of aneurysms</b> <i>Gabriel Rinkel</i>