Course Objectives
Participants will be able:

- to recognize the different causes of hemorrhagic and ischemic stroke and the indications of their treatments
- to recognize imaging characteristics and clinical presentation of head and neck vascular lesions and the role of embolization in their management
- to recognize imaging characteristics and clinical presentation of spinal vascular malformations, tumours and bone compression pathologies and their management strategies.

Accreditation
The Office of Continuing Education and Professional Development (CEPD), Faculty of Medicine, University of Toronto is fully accredited by the Committee on Accreditation of Continuing Medical Education (CACME), a subcommittee of the Committee on Accreditation of Canadian Medical Schools (CACMS). This standard allows the Office of CEPD to assign credits for educational activities based on the criteria established by The Royal College of Physicians and Surgeons of Canada, the College of Family Physicians of Canada, the Canadian Medical Association, and the American Board of Radiology. The University of Toronto is fully accredited by the Committee on Accreditation of Canadian Medical Schools (CACMS). The standard allows the Office of CEPD to assign credits for educational activities based on the criteria established by The Royal College of Physicians and Surgeons of Canada, the College of Family Physicians of Canada, the Canadian Medical Association, and the American Board of Radiology. The University of Toronto is fully accredited by the Committee on Accreditation of Canadian Medical Schools (CACMS).

Electronic Syllabus
To ensure that participants receive the most up-to-date information from presenters, and to reduce the environmental impact of our meeting, a hard copy syllabus will not be printed. Conference participants will be presented with an electronic syllabus at the conference. Course participants will be able to access recorded presentations on the CEPD Interventional Neuroradiology Symposium website.

Disclosure
Speakers will be requested to disclose to the audience any real or apparent conflict(s) of interest that may have a direct bearing on the subject matter of this program.

Greener Learning
The Office of CEPD promotes green meeting solutions in the delivery of our educational programs and events.

For Information
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Course Website: www.cepd.utoronto.ca/inr

Online Registration
To register online and pay by Visa, MasterCard or American Express, please visit the course website: www.cepd.utoronto.ca/inr

Receipts of Payment are issued by e-mail only.

Cancellation
Refunds will not be issued for cancellations received after September 15, 2011. A processing fee of $40 will be retained on all cancellations. Requests for cancellation must be made in writing. Registration fees are not transferable.

The University of Toronto reserves the right to cancel events. Registrants will be notified at the earliest possible date in the event of its cancellation. Registration fees for events cancelled by the University will be refunded; however the University will not be liable for any loss, damages or other expenses that such cancellations may cause.

Acknowledgements
We gratefully acknowledge the support of the following organizations:

The Royal College of Physicians and Surgeons of Canada. Region 3 Advisory Committee, has provided a continuing medical education grant in support of our meeting. The David Bradley and Nancy Gordon Chair in Interventional Neuroradiology

Accommodation
A limited block of rooms is being held at The Renaissance Toronto Hotel Downtown, One Blue Jays Way, Toronto, $219.00 CAD (plus taxes), $299 for single/ double, $25 per person for third/fourth person sharing. Please contact the hotel reservations department, stating “12th Annual Neuroradiology Symposium.” Rooms at the conference rate are available until the bedroom block fills or September 23, 2011, whichever occurs first. Please book early to avoid disappointment.

For online reservations visit the course website: www.cepd.utoronto.ca/inr

INR Course Directors
Karel ter Brugge, MD, FRCP(C) The David Bradley and Nancy Gordon Chair in Interventional Neuroradiology Professor of Radiology and Surgery Head, Division of Neuroradiology University of Toronto Toronto Western Hospital, UHN

FNI Course Director
David J. Mikulis, MD, FRCPC, FNI Co-Director, Medical Imaging Research Department of Medical Imaging, University of Toronto Toronto Western Hospital, UHN

12th Annual Interventional Neuroradiology Symposium
Renaissance Toronto Hotel Downtown
Rogers Centre, 1 Blue Jays Way, Toronto, Canada

Pre-Conference to the INR:
Functional Neuroradiology September 22, 2011
12th Annual Interventional Neuroradiology Symposium September 23-24, 2011

Sponsored by:

www.cepd.utoronto.ca/inr
FRIDAY, SEPTEMBER 23
7:15 Registration & Continental Breakfast

7:55 WELCOME
Dr. Timo Klings

STROKE 1
8:00 Acute Stroke in Children: The Canadian Experience
Dr. Gabrielle Stöffler
8:20 Imaging of Acute Stroke in Adults: The Bottom Line
Dr. David Maks
8:40 Intra-Arterial Stroke Therapy: An Assessment of Demand and Available Workforce
Dr. David Kallmes
9:00 Mechanical Thrombectomy: An Artist Rejects the Answer!
Dr. Mayank Itsi
9:20 Imaging and Management of Acute Cerebral Occlusion
Dr. Richard Farb
9:40 Case Presentation: “Stroke” with Audience Participation
Dr. Timo Klings & Fellows
10:00 Coffee Break with Exhibitors

STROKE 2
10:30 One Year After CREST:
Has the Dust Settled?
Dr. Frank Silver
10:50 Management Interventional Stenoses:
Lessons Learned
Dr. Timo Klings
11:10 Luminal Narrowing Conditions That Should Not Be Stented
Dr. Karel terBrugge
11:30 Case Presentations: Intracranial Luminal Narrowing
with Audience Participation
Dr. Timo Klings & Fellows
12:00 Lunch Break with Exhibitors

ANEURYSM 1
Moderator: Dr. Karl Kring
1:00 Genetics of Aneurysm
Dr. David Kallmes
1:20 Pitfalls in Non-Invasive Imaging of Intracranial Aneurysms
Dr. Renu Virmani
1:40 Management of Unruptured Asymmetric Intracranial Aneurysms in the Elderly:
Literature Review and Personal Experience
Dr. Chris Walter
1:50 Coiling versus Clipping of ICA Aneurysms:
Literature Review and Personal Experience
Dr. Gary Rekub
2:20 Case Presentations: “Aneurysms” with Audience Participation
Dr. Robert Whitlow & Fellows
3:00 Coffee Break with Exhibitors

ANEURYSM 2
Moderator: Dr. Karl Kring
3:30 Management of Unruptured Aneurysms Producing Oculomotor Symptoms:
Coiling vs. Clipping: Literature Review and Personal Experience
Dr. Genevieve Milot
3:50 Management of Unruptured Aneurysms Presenting with Mass Effect:
Reconstructive or Reconstructive?
Dr. Robert Whitlow
4:10 Toronto Experience with Flow Diverting Stents
Dr. Tim Makuta
4:30 Delayed Complications of Flow Diverting Stents:
What Do We Know?
Dr. Karl Kring & Fellows
5:00 Case Presentations: “Aneurysms” with Audience Participation
Dr. Robert Whitlow & Fellows
5:15 Adjourn

SATURDAY, SEPTEMBER 24
7:30 Registration & Continental Breakfast

SPINE VASCULAR 2
Moderator: Dr. Karl Kring
10:30 Spinal Cord AVMs:
Endovascular Approaches
Dr. Timo Klings
10:50 Parachordal Vascular Malformations
Dr. Karl Kring & Fellows
11:10 Presurgical Embolization of Spinal Vascular Lesions
Dr. Donatella Tampieri
11:30 Surgery of Spinal Vascular Malformations
Dr. Timo Klings
12:00 Lunch Break with Exhibitors

SPINE PERICUTANEOUS
Moderator: Dr. Karl Kring
1:00 An Overview of Percutaneous Pain Management:
Steroids, Alcohol, and Occlusion
Dr. Karel Kring
1:20 An Overview of Vertebral Augmentation Procedures:
Balloons, Cement, and Stents
Dr. Roger Smith
1:40 Vertebroplasty Does Not Work!
Dr. David Kallmes
2:10 Vertebroplasty Does Work!
Dr. Karl Kring & Fellows
2:40 The Toronto Experience:
Case Presentations with Audience Participation
Dr. Roger Smith
3:10 Closing Remarks
Dr. Karl Kring & Fellows
3:15 Evaulation & Adjournment

INTERNATIONAL FACULTY
Functional Neuroradiology Imaging
N. Chintan Patel - Keynote Speaker
Professor of Radiology
Associate Dean of Faculty Development
Medical University of South Carolina
Charleston, SC

Colin C. Derschmann, MD
Professor of Radiology, Neurology and Neurosurgical Surgery Program Director
Endovascular Surgical Neuroradiology
Mayo Clinic College of Medicine
Washington University School of Medicine
St. Louis, MO

Renu Virmani, MD
Clinical Research Professor
Department of Pathology
Vanderbilt University, Nashville, TN

INTERNATIONAL NEURORADIOLOGY PROGRAM • SEPTEMBER 23-24
Each presentation will include five minutes for questions from the audience. Presentations will be designed to incorporate an audience response system.