Mayo Clinic

Cerebral Bypass and Advanced Neuroendovascular Course 2018

Co-directed by: Giuseppe Lanzino MD and Leonardo Rangel-Castilla MD
Honored Guest: Luca Regli MD, Zurich, Switzerland

Thursday, November 8 - Saturday, November 10
Mayo Clinic Rochester, MN
COURSE HIGHLIGHTS

• This 3-day course is designed to update participants on a range of cerebrovascular and neurosurgical topics relevant to current medical practice.

• Through a combination of lectures, literature review, and case-based presentations, this symposium will teach neurosurgeons and neurosurgery residents in a lab-based style with lectures; focusing on surgery and endovascular technique.

TARGET AUDIENCE

This course is designated for practicing neurosurgeons and neurosurgery residents.

LEARNING OBJECTIVES

• Describe the latest clinical and imaging indications and techniques for extracranial-intracranial (EC-IC) bypass

• Demonstrate hands-on microvascular anastomosis training sessions on rat vessels

• Describe a systematic approach to basic and complicated aneurysms that achieves clipping and reconstruction

• Identify the latest technology available for the endovascular treatment of intracranial aneurysms (novel stents and neck reconstruction devices)

• Identify the latest technology and future of the endovascular management of stroke

• Demonstrate hands-on experience with endovascular devices on simulators (advanced coiling techniques, novel stents and neck reconstruction devices)
COURSE DIRECTORS
Leonardo Rangel-Castilla, M.D. & Giuseppe Lanzino M.D.

COURSE ASSISTANT
Mark Markham

ONLINE REGISTRATION
www.ce.mayo.edu/cerebralbypass2018

REGISTRATION FEES
$300 Physicians/Residents

MEETING LOCATION & ACCOMMODATIONS
Stabile Building
Mayo Clinic
200 First Street SW
Rochester, MN 55902
United States

https://www.thekahlerhotel.com/
Group Block
Cerebral Bypass Advanced Course
2018
Mayo Clinic Cerebral Bypass and Advanced Neuroendovascular Course
November 8-10

Honor Guest: Luca Regli MD (Zurich, Switzerland)

AGENDA
Thursday Nov 8
7:00 p.m.  Welcome Dinner
PASQUALE’S NEIGHBORHOOD PIZZERIA
130 5TH STREET SOUTHWEST, ROCHESTER, MN

Friday November 9, 2018
Cerebral bypass and open vascular surgery
7:00 a.m.  Arrival and breakfast Gonda 8-104 Kern Lecture Hall
7:30 a.m.  Introduction and Welcome
Leonardo Rangel-Castilla M.D.
7:40 a.m.  Neurovascular Anatomy Review (anterior circulation)
Vicent Quilis Quesada MD
8:10 a.m.  Techniques of cerebral bypass, how do I start?
Jonathan Russin M.D.
8:40 a.m.  Cerebral bypass for ischemic diseases
Luca Regli MD
9:10 a.m.  Approach and Management of Moya-Moya Disease
Giuseppe Lanzino M.D.
9:40 a.m.  Break
10:00 a.m.  Anterior circulation aneurysm surgery: How I do it?
Leonardo Rangel-Castilla  MD
10:30 a.m.  Posterior circulation aneurysm surgery: How I do it?
Giuseppe Lanzino MD
11:00 a.m.  Stents and Neck Reconstruction Devices for Cerebral aneurysm Treatment
Leonardo Rangel-Castilla MD
11:30 a.m.  Lunch
1:15 p.m.  Group 1 Laboratory Hands on (bypass)
All faculty (rat model, placenta model [availability])
Group 2 Laboratory Hands on (endovascular) and case discussion with faculty
3:00 p.m.  Break
3:15 p.m.  Group 1 Laboratory Hands on (endovascular) and case discussion with faculty
Group 2 Laboratory Hands on (bypass)
All faculty (rat model, placenta model [availability])
5:00 p.m.  Adjourn
6:30 p.m.  Course Dinner at the Wilson House (Directions below)
David Piepgras MD
“Cerebral bypass in Neurosurgery: a Historical Review”
Wilson House at Assisi Heights.
1001 14th ST. NW, Rochester, MN

Directions

- After turning into the drive for Assisi Heights, you will go up the hill and take the first right at the top of the hill.
- Parking is on the right side of the road at the park.
- There is a sidewalk near the southeast corner of the parking lot that leads to the front door of the Wilson House.
Saturday November 10, 2018
Neuroendovascular Surgery
7:00 a.m. Arrival and breakfast
7:30 a.m. Neurovascular Anatomy Review (posterior circulation)
          Vicent Quilis Quesada MD
8:00 a.m. Cerebral bypass in the Endovascular Era
          Luca Regli MD
8:30 a.m. Innovation in Revascularization
          Jonathan Russin M.D.
9:00 a.m. Endovascular Coiling: Benefits and Limitations
          Benjamin Brown MD
9:30 a.m. Flow Diversion: Benefits and Limitations
          Giuseppe Lanzino MD
10:00 a.m. Group 2 Laboratory Hands on (bypass)
          All faculty (rat model, placenta model [availability])
          Group 1 Laboratory Hands on (endovascular) and case
discussion with faculty
12:15 p.m. Lunch
1:15 p.m.  Group 2 Laboratory Hands on (bypass)
          All faculty (rat model, placenta model [availability])
          Group 1 Laboratory Hands on (endovascular) and case
discussion with faculty
3:15 p.m. Evolution of endovascular management of acute ischemic stroke
          Waleed Brinjikji MD
3:40 p.m. Complications and limitations of Endovascular management of
          acute ischemic stroke
          Harry Cloft MD
4:10 p.m. New Frontiers and Trials on endovascular management of acute
          ischemic stroke
          David Kallmes MD
4:40 p.m. Endovascular approach to pediatric cerebrovascular diseases
          Waleed Brinjikji MD
5:10 p.m. Adjourn