

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](http://www.ce.mayo.edu/cerebralbypass2018)

# REGISTRATION FEES

\$300 Physicians/Residents

# MEETING LOCATION & ACCOMMODATIONS

## Stabile Building

Mayo Clinic  
200 First Street SW  
Rochester, MN55902  
United States

<https://www.thekahlerhotel.com/>

Group Block

Cerebral Bypass Advanced Course  
2018

*The Kahler*  
• GRAND HOTEL •



## SPONSORS



**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**

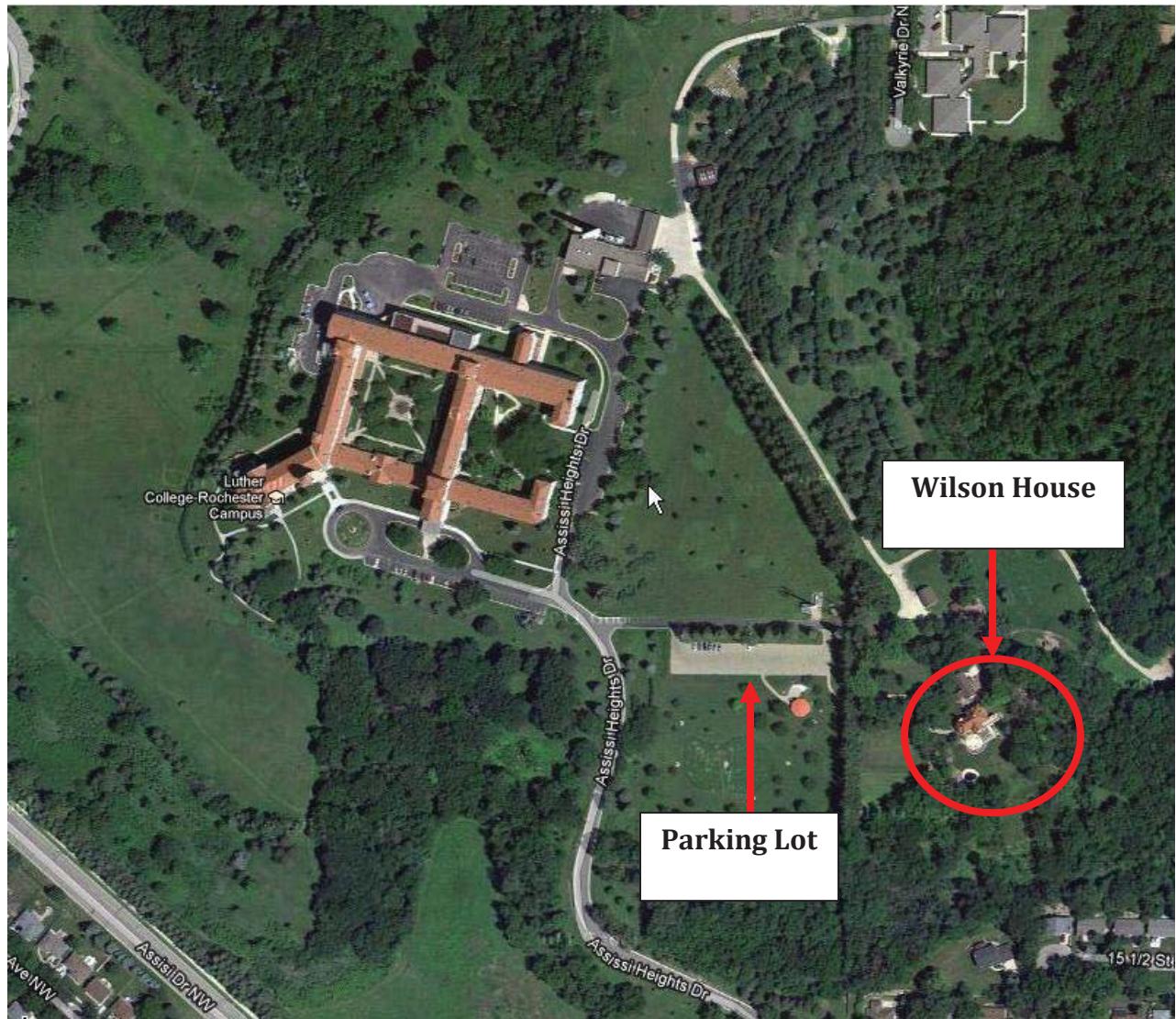
7:00 a.m. **Arrival and breakfast Gonda 8-104 Kern Lecture Hall**  
7:30 a.m. **Introduction and Welcome**  
Leonardo Rangel-Castilla M.D.  
7:40 a.m. **Neurovascular Anatomy Review (anterior circulation)**  
Vicent Quilis Quesada MD  
8:10 a.m. **Techniques of cerebral bypass, how do I start?**  
Jonathan 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 Piegras 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**