

MISTIC Collaborative Stroke Update

**Friday, April 30, 2021
12 p.m. – 4 p.m. and
Saturday, May 1, 2021
8 a.m. – 12 p.m.**

Virtual Presentation via Zoom

According to the Centers of Disease Control and Prevention, stroke afflicts nearly 800,000 people and causes approximately 130,000 deaths in the US each year. Stroke is also the leading cause of long-term disability and costs our nation billions in treatment dollars on an annual basis, which causes significant challenges for physicians and allied healthcare professionals.

Through the use of lectures and case discussion, national and regional experts will address the latest advances in pre-hospital stroke care, treatment of intracranial aneurysms, extracranial and intracranial atherosclerotic disease and techniques of mechanical thrombectomy.

The purpose of this conference is to provide neurosurgeons, neurologists, family medicine, internal medicine, trauma and emergency room physicians, residents, advanced practice providers, nurses, pharmacists, radiology techs, and other healthcare professionals with advances in stroke care.



The MISTIC Mission:

The Michigan Stroke Treatment Improvement Collaborative (MISTIC) is a multi-institutional effort led by cerebrovascular specialists across greater Michigan and northwest Ohio areas to improve stroke care, advance clinical research, and train the next generation of clinicians.

Participating Institutions: Michigan Medicine, ProMedica, University of Toledo, Ascension St. John/Providence Park, Ascension St. Mary's Saginaw, Beaumont Royal Oak, DMC, Henry Ford Hospital, McLaren Flint/Macomb, Metro Health, Munson Medical Center, Sparrow, Spectrum, St. Vincent Mercy

Presented by ProMedica's Continuing Medical Education Department



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AGENDA

Friday, April 30, 2021

12 p.m. Opening Remarks

Session I – Prehospital Stroke Severity Screening

12:10 p.m. Prehospital Stroke Severity Screening

Mouhammad Jumaa, MD

- Discuss prehospital severity screen.
- Identify importance of prehospital scale.
- Summarize effectiveness of the scale and its implications.

12:30 p.m. Mobile Stroke Unit Impact on Acute Stroke Care

Eugene Lin, MD

- Discuss benefits of a mobile stroke unit.
- Identify process used by the mobile stroke unit.
- Explain impact in the community.

12:50 p.m. The Five Key Interventions for Improving Door to Recanalization Time in Stroke Thrombectomy

Aniel Majjho, MD, FAAN

- Discuss importance of decreasing time in thrombectomy.
- Explain five key points in improving efficiency for stroke thrombectomy.
- Summarize major time efficiency in thrombectomy.

1:10 p.m. Direct to Angio Approach for Stroke Patients with Suspected or Confirmed Large Vessel Occlusion

Anmar Razak, MD

- Discuss why reduced work-flow time may increase favorable outcome.
- Identify process that allows direct to neuro suite.
- Describe impact of process of direct angio approach.

1:30 p.m. IV Thrombolysis for Stroke Patients with Large Vessel Occlusion: Benefits and Pitfalls

Muhib Khan, MD

- Explain disadvantages with thrombolysis prior to thrombectomy.
- Discuss advantages of giving IV thrombolysis if thrombectomy is not immediately available.
- Summarize use of prehospital triage with a large vessel occlusion.

1:50 p.m. Panel Discussion

Moderators: Aditya Pandey, MD and Alex Chebl, MD

- Summarize prehospital stroke care options and importance of early intervention.

Session II – Treatment of Intracranial Aneurysms

2:05 p.m. Recent Advances in Stent- Assisted Coiling for Intracranial Aneurysms

Osama Zaidat, MD

- Explain benefits of stent assisted coiling in unruptured and ruptured intracranial aneurysm.
- Discuss reasons to choose a stent assisted coiling.
- Identify impact of stent assisted coiling.

2:25 p.m. Updates on Flow Diverters for the Management of Intracranial Aneurysms

Justin Singer, MD

- Explain impact of flow diversion with aneurysmal care.
- Discuss current dual antiplatelet treatment for flow diversion.
- Identify hemodynamic change that flow diverter role in mechanism of intracranial aneurysm occlusion.

2:45 p.m. Update on EC-IC Bypass Surgery

Joseph Adel, MD, FAANS

- Review indication of bypass surgery for ischemic and hemorrhagic cerebrovascular diseases.
- Discuss recent evidence for EC-IC bypass surgery outcomes.

3:05 p.m. Surgical and Endovascular Management of Complex Intracranial Aneurysm

Aditya Pandey, MD

- Discuss clipping versus endovascular coiling risk.
- Describe risk of endovascular coiling versus risk.
- Explain post-operative care of surgical clipping patients.

3:25 p.m. Endovascular Management of Large and Giant Intracranial Aneurysms

Richard Burgess, MD, PhD

- Describe management of large and giant aneurysms, clipping versus bypass, and or flow diversion.
- Compare risk or benefit of clipping, versus bypass and flow diversion.
- Identify treatment based on location of aneurysm.

3:45 p.m. Panel Discussion

Moderators: Mouhammad Jumaa, MD and Syed Zaidi, MD

- Summarize treatment of intracranial aneurysms.

Saturday, May 1, 2021

8 a.m. Opening Remarks

Session III – Extracranial and Intracranial Atherosclerotic Disease

8:05 a.m. Management of Symptomatic Carotid Disease

Alex Chebl, MD

- Discuss optimal treatment in management of symptomatic carotid disease.
- Compare medical treatment of symptomatic management versus revascularization.
- Identify long term outcomes in symptomatic carotid disease.

8:25 a.m. Management of Intracranial Atherosclerotic Disease

Jenny Tsai, MD

- Discuss impact of risk modification in management of intracranial atherosclerosis.
- Describe effectiveness and usage of angioplasty versus stenting.
- Discuss risk of stroke with atherosclerotic disease.

8:45 a.m. Management of Vertebral Artery Stenosis

Fazeel Siddiqui, MD

- Discuss risk of recurrent stroke with symptomatic vertebral stenosis.
- Compare vertebral stenosis with stenting and medical treatment.
- Discuss long-term outcomes and rate of restenosis.

9:05 a.m. Management of Cervical Artery Dissection

Mahmoud Rayes, MD

- Discuss diagnosis of a cervical artery dissection.
- Explain benefits of endovascular treatment of carotid artery dissection.
Explain risk benefit assessment strategy to exclude cervical artery dissection.

9:25 a.m. Thrombectomy in Patients with ICAD

Gary Rajah, MD

- Differentiate intracranial atherosclerotic disease (ICAD) from other etiologies may predict success of thrombectomy.
- Discuss risk profile for ICAD.
- Compare procedural characteristics for the ICAD patient.

9:45 a.m. Panel Discussion

Moderator: Richard Burgess, MD, PhD

- Summarize treatment of extracranial & intracranial atherosclerotic disease.

10:05 a.m. Regional Stroke Data: What we have learned before and during the pandemic

Aditya Pandey, MD

- Compare pre COVID-19 stroke data to data during pandemic.
- Discuss impact of decreased mechanical thrombectomy during pandemic.
- Explain effects of COVID-19 in assessment of hyper-acute code stroke.

Session IV – Techniques of Mechanical Thrombectomy

10:45 a.m. Blood Pressure Management after Mechanical Thrombectomy

Marion Oliver, MD

- Explain relationship of blood pressure management and clinical outcomes.
- Discuss importance of blood pressure management in first 24 hours.
- Compare blood pressure management between those who were not recanalized to those with complete canalization.

11:05 a.m. Intra-arterial Therapy after Mechanical Thrombectomy

Syed Zaidi, MD

- Describe applications and indications of intra-arterial alteplase in acute ischemic stroke.
- Discuss maximized local benefit of intra-arterial while decreasing systemic effect.
- Compare intra-arterial alteplase results with mechanical thrombectomy.

11:25 a.m. Management of Acute Stroke with Tandem Occlusion

Joseph Gemmete, MD

- Discuss management of tandem occlusion.
- Explain impact of emergent carotid stenting in tandem occlusion.
- Discuss effectiveness of angioplasty and stenting in a tandem lesion.

11:45 a.m. Panel Discussion

Moderator: Mouhammad Jumaa, MD

- Summarize techniques of mechanical thrombectomy.

12 p.m. Evaluation and Closing

Educational Credits

ProMedica is pleased to provide Continuing Medical Education programming accredited through ProMedica Monroe Regional Hospital.

ProMedica Monroe Regional Hospital is accredited by the Michigan State Medical Society to provide continuing medical education for physicians.

ProMedica Monroe Regional Hospital designates this live activity for a maximum of 8 AMA PRA Category 1 Credit™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nurses may use *AMA PRA Category 1 Credit™* for licensure renewal.

Registration forms are provided separately.

Refund/Cancellation Policy

The registration fee, minus a \$25 administrative fee, will be refunded if a cancellation is received (in writing or by phone) no later than **Wednesday, April 21, 2021**. Refunds will not be given for failure to attend. Substitutions may be made at any time (in writing or by phone) without an additional charge. ***If this meeting is cancelled for any reason, including labor strikes or acts of nature, liability is limited to a full refund of registration fees.***

For more information contact
ProMedica's Continuing Medical Education Department, 419-291-4650.