The American Heart Association estimates 700,000 Americans each year suffer a new or recurrent stroke and strokes kill over 150,000 people per year. While strokes are a neurological event, each person who suffers a stroke brings their own unique medical history and challenges. This activity is intended to provide an update on the differential care of a stroke. This conference is intended for physicians: neurologists, family/internal medicine, trauma, ER; psychologists; social workers, nurses; occupational therapists; PA’s; residents/student and other health professionals working with the stroke patient.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:30 - 7:30am</td>
<td>Registration/Continental Breakfast</td>
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| 7:45 - 8:00am | Welcome/Audience Response  
                                  *Mouhammad Jumaa, MD*                                                    |
| 8:00 - 8:40am | New Antiplatelet and Anticoagulant Medications  
                                  *Gretchen E. Tietjen, MD*                                               |
| 8:40 - 9:20am | Systemic Thrombolysis in Ischemic Stroke  
                                  *Mouhammad A. Jumaa, MD*                                                |
| 9:20 - 10:00am | Update on Interventional Management of Ischemic Stroke  
                                  *Mouhammad Jumaa, MD*                                                   |
| 10:00 - 10:20am | Break/Exhibits                                                          |
| 10:20 - 11:00am | Management of Intracranial Atherosclerotic Disease after SAMMPRIS  
                                  *Tudor G. Jovin, MD*                                                    |
| 11:00 - 11:40am | Is There a Role for EC-IC Bypass in Patients with Carotid Occlusion  
                                  *Peter A. Rasmussen, MD, FAHA, FAANS*                                   |
| 11:40 - 12:20pm | Management of Patients with Subarachnoid Hemorrhage  
                                  *Ahmad Zakeri, MD*                                                      |
| 12:20 - 1:00pm | Lunch and exhibits                                                      |
| 1:00 - 1:40pm | Treatment of Unrupture Intracranial Aneurysms  
                                  *Azedine Medhkour MD*                                                    |
| 1:40 - 2:20pm | Endovascular Treatment of Cerebral Aneurysms  
                                  *Syed F. Zaidi, MD*                                                     |
| 2:20 - 3:00 | Stenting vs. Endarterectomy for Management of Carotid Artery Stenosis  
                                  *Munier Nazzal, MD, FACS, FRCS, RVT*                                     |
| 3:00 - 3:20pm | Break/Exhibits                                                          |
| 3:20 - 3:40pm | Comprehensive Stroke Care  
                                  *Kelly Joseph, BSN, CNRN*                                                |
| 3:40 - 4:00pm | Stroke Center Performance Measurement  
                                  *Andrea Korsnack, BS, AD RN, CNRN, CCRC, MSCN, FAHA*                     |
| 4:00 - 4:45pm | Case Discussion: Ischemic and Hemorrhagic Stroke  
                                  *Moderated by: Mouhammad Jumaa, MD/Syed F. Zaidi, MD*                    |
<p>| 4:45 - 5:00pm | Audience Response/QA                                                    |</p>
<table>
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<tr>
<td>Kelly Joseph, BSN, CNRN</td>
<td>Stroke Care Coordinator, Promedica Health System</td>
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<tr>
<td>Tudor G. Jovin, MD</td>
<td>Director, UPMC Stroke Institute, Co-Director, UPMC Center for Neuroendovascular Therapy, Director, UPMC Neuroendovascular Fellowship Program, University of Pittsburgh Medical Center, Pittsburgh, PA</td>
</tr>
<tr>
<td>Mouhammad Jumaa, MD</td>
<td>Assistant Professor, Neurology, The University of Toledo</td>
</tr>
<tr>
<td>Andrea Korsnack, BS, AD RN, CNRN, CCRC, MSCN, FAHA</td>
<td>Research and Multidisciplinary Care Coordinator, Center for Neurological Disorders, The University of Toledo</td>
</tr>
<tr>
<td>Azedine Medhkour, MD</td>
<td>Associate Professor, Surgery, Chief, Division of Neurosurgery, Director, Neurological ICU, Section Head, Neurosurgical Oncology, The University of Toledo</td>
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<tr>
<td>Munier Nazzal, MD, FACS, FRCS, RVT</td>
<td>Professor, Division of Vascular and Endovascular Surgery, Medical Director, Wound Care and Hyperbaric Center, Director, Vascular Laboratory, The University of Toledo</td>
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<tr>
<td>Peter A. Rasmussen, MD, FAHA FAANS</td>
<td>Director, Cerebrovascular Center, Neurological Institute, Cleveland Clinic, Associate Professor, Cleveland Clinic, Lerner College of Medicine of Case Western Reserve University</td>
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<td>Gretchen E. Tietjen, MD</td>
<td>Professor and Chair, Department Neurology, The University of Toledo</td>
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<tr>
<td>Ahmad Zakeri, MD</td>
<td>Neurosurgeon, The Toledo Clinic, Chief of Staff, Neurosurgeon, The Toledo Hospital</td>
</tr>
<tr>
<td>Syed F. Zaidi, MD</td>
<td>Assistant Professor, Vascular &amp; Interventional Neurology, The University of Toledo</td>
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The University of Toledo is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Toledo designates this live educational activity for a maximum of 7.50 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

This Live activity, Stroke update with a beginning date of November 16, 2012, has been reviewed and is acceptable for up to 7.25 Prescribed credits by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ASRT has approved this activity for 9.00 credits.

Application has been made to the Occupational Therapy and Physical Therapy Licensure Boards for continuing education credit.

The Ohio Board of Nursing will accept, at face value, the number of hours awarded for an educational activity that has been approved for CE, provided it was approved by a nationally accredited system of CE approval.

The AAPA accepts certificates of participation for educational activities, certified for Category 1 credit from AOACCME, Prescribed credit from AAFP, and AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society.

**OBJECTIVES**

- Discuss new antiplatelet and anticoagulant medications and their role in stroke treatment.
- Review current evidence for thrombolytic therapy in ischemic stroke.
- Review current evidence for interventional treatment of ischemic stroke.
- Review current evidence for management of intracranial atherosclerotic disease.
- Review the evidence for treatment of carotid occlusion.
- Review most recent evidence based on literature of management of subarachnoid hemorrhage.
- Review current evidence for management of intracranial aneurysms.
- Review current evidence for management of cerebral aneurysms.
- Evaluate role of carotid stenting.
- Recognize tools for setting up an organized collaborative comprehensive stroke care.
- Review the Joint Commission performance measures for primary stroke centers.
- Review the treatment options for challenging neurovascular cases.

**INFORMATION**

**Registration Fees**

- Health Professionals ............... $50
- Residents & Students ............... free (no lunch provided) no certificate
- UT Residents & Students ........... $15 (with lunch)
- Printed Syllabus ..................... $10

*Deadline for registration is November 5, 2012. We cannot guarantee availability after this date.*

**Tuition Includes**: registration/lunch and refreshments/cme credit certificate

**Cancellation Policy**

Up to $25 will be retained for administrative services on any cancellation made.
Online Registration is encouraged for this program
Using Visa, Mastercard or Discover

Online at:  cme.utoledo.edu

Questions about the program or registration please call 419-383-4237

Name __________________________________________________________________________
Address __________________________________________________________________________
City _______________________________ State _______ Zip_____________________
Specialty/Profession _________________________________________________________________
Credentials _______________________________________________________________________
Telephone _________________________________________________________________________

Email address ______________________________________________________________________

Please advise us of any special needs or meals ______________________________________________________________________
____________________________________________________________________
____________________________________________________________________

Please Check One: _____ Health Professional $50
                 _____ Resident/Student $15 (with lunch)
                 _____ Resident/Student (no lunch)

Printed Syllabus: _____ Yes ($10 additional fee)  _____ No (no fee)

Total $ ______________
Please charge $ ______________ to my: (circle one)  MasterCard      Visa              Discover
Number _________________________________________________________________________
Expiration Date: _______________________________________________________________________
Signature _________________________________________________________________________

Or complete and mail with check to UT-CME, 3000 Arlington Ave, MS 1092,
Toledo, OH   43623