OhioHealth Continuing Medical Education presents:

—2ND ANNUAL—

KISUMU NEUROSURGERY
SYMPOSIUM 2020

Friday, June 12 and Saturday, June 13

ACACIA PREMIER HOTEL | Kisumu, Kenya

Overview
The two-day Kisumu Neurosurgery Symposium 2020 is intended to bring together neurosurgeons from all over the world to discuss the current guidelines and future of neurosurgical care. We intend to investigate solutions to challenges of practicing neurosurgery in various parts of the world and will also discuss difficult cases. The goal is that each attendee will expand their neuroscience knowledge base, become more familiar with current management guidelines in neurosurgery, have a forum to discuss difficult cases and be able to provide better quality care upon return to their practices.

Target Audience
Anesthesiology, Anesthesiology Critical Care Medicine, Brain Injury Medicine, Critical Care Medicine, Hospice and Palliative Medicine, Neurocritical Care, Neurology, Neuroradiology, Neurosurgery, Orthopedic Surgery, Orthopedic Spine Surgery, Pain Medicine, Pathology, Pediatric Surgery.

Objectives: After participating in this activity, the physician should be more confident in their ability to:
1. Explain the challenges and solutions to providing quality neurosurgical care in developing countries.
2. Identify current management guidelines of traumatic brain and spine injury.
3. Discuss the barriers to neurosurgical training in Africa.
4. Recognize the various surgical and nonsurgical treatment options for numerous spine disorders.
5. Discuss surgical management options and issues related to brain tumor and neurovascular surgery.

Register Online: OhioHealth.cloud-cme.com/Kisumu2020
Registration
OhioHealth.cloud-cme.com/Kisumu2020
+ Early Bird Price.................$25
+ After April 1, 2020............$50
Registration deadline is May 1, 2020 or when the maximum attendance capacity has been reached. For more information on registering, please call (614) 566.4437.

Disclosure
As an accredited continuing medical education (CME) provider, OhioHealth must insure balance, independence, objectivity, and scientific rigor in all educational activities we sponsor. Faculty and planners participating in sponsored activities must disclose any significant financial interests or other relationships. Any potential conflicts of interest will be resolved and revealed in the course syllabus.

Commercial Support
Companies supporting this activity will be recognized in the course syllabus.

Location
Acacia Premier Hotel
P. O. Box 626-40100
Kisumu, Kenya
Tel: 0709 850000
www.acaciapremier.com

Cancellation and Refund Policy
OhioHealth reserves the right to cancel or delay this course due to any unforeseen circumstances. In the event this meeting would have to be canceled, OhioHealth will refund your registration fee. We are not responsible for any travel, hotel or other costs incurred. If a participant cancels, refund of conference fee minus a 25% administrative charge will be made if written notice of cancellation is received no later than May 15, 2020. No refunds will be granted after May 15, 2020.

Accreditation
OhioHealth is accredited by the Ohio State Medical Association to provide continuing medical education for physicians. OhioHealth designates this learning and live activity for a maximum of 17.5 AMA PRA Category 1 credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in this activity.

Faculty
Sharon Agola, MD
Neurosurgeon
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Kisumu, Kenya
Victor Awuor, DO, FACOS
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Abenezer Aklilu, MD
Neurosurgeon / Assistant Professor of Neurosurgery
Addis Ababa University
Addis Ababa, Ethiopia
William Copeland, MD
Neurosurgeon
Tenwek Hospital
Bomet, Kenya
Thomas Dakurah, MBChB FWACS
Neurosurgeon
University of Ghana
Accra, Ghana
John Entwistle, DO
Neurosurgeon
Canian Clinic
Roanoke, Virginia
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Neurosurgeon
Peconic Bay Medical Center
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Stephanie Larson, DO, MS, MSMed, FACEP, FCOEP
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Saint Vincent Health Center
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Lima Memorial Health System
Lima, OH, USA
Edwin Lugazia, MD, MMED, FCTA, MBA
Cardiothoracic Anesthesiologist
Muhimbili University of Health and Allied Sciences
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Jaramogi Oginga Odinga Teaching and Referral Hospital
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Timothy Ogutu, MD
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Herford Hospital
Herford, Germany
Bethwel Raore, DO, FAANS
Neurosurgeon
Gwinnett Medical Center
Lawrenceville, GA, USA
Hamisi K. Shabani, MD, PhD, FCS
Neurosurgeon
Muhimbili Orthopedic Institute
Dar es Salaam, Tanzania
Vikram Sharma, MBA
Spine Consultant
Columbus, OH, USA
# Agenda

## Friday

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<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tr>
<td>1:30 – 1:45 p.m.</td>
<td>Registration / Course Overview / Welcome</td>
<td>Dr. Victor Awuor</td>
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<tr>
<td>1:45 – 2:15 p.m.</td>
<td>Biologics and Spine Instrumentation</td>
<td>Vikram Sharma, MBA</td>
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<tr>
<td>2:15 – 2:45 p.m.</td>
<td>Challenges of Providing Neurosurgical Services in a Developing Country</td>
<td>Dr. Lee Ogutha</td>
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<tr>
<td>2:45 – 3:15 p.m.</td>
<td>Management of Spine Tumors</td>
<td>Dr. Thomas Dakurah</td>
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<tr>
<td>3:15 – 3:45 p.m.</td>
<td>Management of Neural Tube Defects</td>
<td>Dr. Abenezer Aklilu</td>
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<tr>
<td>3:45 – 4:15 p.m.</td>
<td>Are Rotating Neurosurgical Volunteer Missions in Low-Income Countries Beneficial?</td>
<td>Dr. Sharon Agola</td>
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<tr>
<td>4:15 – 4:30 p.m.</td>
<td>Coffee Break</td>
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<tr>
<td>4:30 – 5:00 p.m.</td>
<td>The Challenges, Opportunities, and Outcomes of Neurosurgical Experience in Kisumu</td>
<td>Dr. Tim Ogutu, Mr. Cosmas Ngisa</td>
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<tr>
<td>5:00 – 5:30 p.m.</td>
<td>Identification and Treatment of Radiation Necrosis</td>
<td>Jerrin Hill, PA</td>
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<tr>
<td>5:30 – 6:00 p.m.</td>
<td>Management of Spine Infections</td>
<td>Dr. Victor Awuor, Dr. Vadim Fuchs</td>
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<tr>
<td>6:00 – 6:30 p.m.</td>
<td>Neurovascular and Skull Base Surgery</td>
<td>Dr. Will Copeland</td>
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<tr>
<td>6:30 – 7:00 p.m.</td>
<td>Initial ER Management of the Head/Spine Injured Patient</td>
<td>Dr. Stephanie Larson</td>
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<tr>
<td>7:00 – 7:30 p.m.</td>
<td>Use of 5-Aminolevulinic Acid in Glioma Surgery</td>
<td>Dr. Mohammad Jaweed</td>
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<tr>
<td>7:30 – 9:30 p.m.</td>
<td>Dinner / Case Presentations</td>
<td>Dr. Lee Ogutha, Dr. Vadim Fuchs, Dr. Bethwel Raore, Dr. Hamisi Shabani</td>
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</table>

Register Online: OhioHealth.cloud-cme.com/Kisumu2020

## Saturday

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
<tbody>
<tr>
<td>7:00 – 7:45 a.m.</td>
<td>Registration / Welcome / Networking</td>
<td>Dr. Victor Awuor</td>
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<tr>
<td>7:45 – 8:15 a.m.</td>
<td>Role of Dorsal Column Stimulation</td>
<td>Dr. Chris Karas</td>
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<tr>
<td>8:15 – 8:45 a.m.</td>
<td>Panel Discussion: Challenges and Opportunities of Advancement of Neurosurgery in Africa</td>
<td>Dr. Abenezer Aklilu, Dr. Hamisi Shabani, Dr. Thomas Dakurah, Dr. Will Copeland, Dr. Lee Ogutha</td>
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<tr>
<td>9:15 – 9:45 a.m.</td>
<td>Brain Trauma: Emerging Crisis</td>
<td>Dr. James Jowi</td>
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<td>9:45 – 10:15 a.m.</td>
<td>Management of Elevated Intracranial Pressure: A Neurocritical Care Approach</td>
<td>Dr. Gilbert Mbeo</td>
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<tr>
<td>10:15 – 10:30 a.m.</td>
<td>Guidelines and Controversies in Management of Traumatic Brain Injury</td>
<td>Dr. Hamisi Shabani</td>
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<tr>
<td>10:30 – 11:00 a.m.</td>
<td>Panel Discussion: Overcoming Barriers to Neurosurgical Training in Africa</td>
<td>Dr. Hamisi Shabani, Dr. Lee Ogutha, Dr. Thomas Dakurah</td>
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<tr>
<td>11:00 – 11:30 a.m.</td>
<td>Panel Discussion: -Brain Death and Postmortem Organ Donation -The Role of Hospice Care</td>
<td>Dr. Chris Karas, Dr. Hamisi Shabani, Dr. James Jowi, Dr. Gilbert Mbeo, Dr. Lee Ogutha</td>
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<tr>
<td>11:30 a.m. – noon</td>
<td>Sagittal Balance</td>
<td>Dr. Bethwel Raore</td>
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<td>12:00 – 12:30 p.m.</td>
<td>Rational Use of Anti-Epileptic Drugs</td>
<td>Dr. James Jowi</td>
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<td>12:30 – 1:00 p.m.</td>
<td>Lunch / Review of Posters</td>
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<tr>
<td>1:00 – 1:30 p.m.</td>
<td>A Neurosurgical Experience in East Africa</td>
<td>Dr. Robert Galler</td>
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<tr>
<td>1:30 – 2:00 p.m.</td>
<td>Case Based Discussion on Neurotrauma and Critical Care of the Brain</td>
<td>Dr. Victor Awuor</td>
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<tr>
<td>2:00 – 2:30 p.m.</td>
<td>Quality Improvement &amp; Malpractice Prevention</td>
<td>Dr. Edwin Lugazia</td>
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<td>2:30 – 3:00 p.m.</td>
<td>Interventional Pain Management Therapies for Back Pain</td>
<td>Dr. Gilbert Mbeo</td>
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<td>3:00 – 3:30 p.m.</td>
<td>Principles and Techniques of Adult Spine Deformity</td>
<td>Dr. Xavier Gaudin</td>
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<tr>
<td>3:30 – 4:00 p.m.</td>
<td>Back to the Future: Navigation, Robotics, and Augmented Reality</td>
<td>Dr. Chris Karas</td>
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<td>Coffee Break</td>
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<td>4:15 – 4:45 p.m.</td>
<td>Management of Most Common Neurosurgical Emergencies</td>
<td>Dr. Jerry Noel</td>
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<td>4:45 – 5:15 p.m.</td>
<td>Treatment of Degenerative Spine Disease</td>
<td>Dr. Robert Galler</td>
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<td>5:15 – 5:45 p.m.</td>
<td>Minimally Invasive Spine Surgery and the Way of the Robot</td>
<td>Dr. Jeffery Lobel</td>
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<td>5:45 – 6:15 p.m.</td>
<td>Introduction to Endovascular Neurosurgery</td>
<td>Dr. John Entwistle</td>
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<tr>
<td>6:15 – 6:30 p.m.</td>
<td>Best Research Paper Award</td>
<td>Dr. Victor Awuor</td>
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<tr>
<td></td>
<td>Closing Remarks / Adjourn</td>
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