

# 1<sup>ST</sup> Hands-on Neurotrauma Course for the East, Central and Southern African Region

**MARCH 3–7, 2014**



*“We welcome all young African Neurosurgeons to Tanzania to enhance their knowledge and skills for the benefit of the people of east Africa.”*

**JAKAYA MRISHO KIKWETE**  
*President, United Republic of Tanzania*



**HOST:**

Muhimbili Orthopaedic and Neurological Institute,  
Dar-es-Salaam, Tanzania



**IN COLLABORATION WITH:**

Brain & Spine Center at Weill Cornell Medical College, New York, NY, USA

*Under the auspices of Jakaya Mrisho Kikwete, fourth and current President of the United Republic of Tanzania and the Ministry of Health and Social Welfare*



## COURSE INFORMATION

### LOCAL ORGANIZING COMMITTEE:

- Professor Joseph F. Kahamba, MD, MMed, MSc, FCS
- Dr. Hamisi K. Shabani, MD, PhD, FCS
- Dr. Othman W. Kiloloma, MD, MMed MSc
- Dr. Nicephorus Rutabasibwa, MD, MMed, MSc
- Dr. Anthony Assey, MD, MMed
- Dr. Mugisha Clement, MD, MMed, MSc
- Dr. Charles S. Mgone, MD
- Dr. Henry Humba, MD
- Dr. C. Buretta, MD
- Dr. Aingaya J. Kaale, MD
- Dr. Zarina Shabbhay, MD

### INTERNATIONAL ORGANIZING COMMITTEE:

- Roger Härtl, MD-Director of Spinal Surgery and Neurotrauma
- Philip E. Stieg, MD, PhD-Director & Chairman Brain & Spine Center, Weill Cornell Medical College New York, USA

### LOCAL FACULTY:

- Professor Joseph.F. Kahamba, MD, MMed, MSc, FCS
- Dr. Hamisi K. Shabani, MD, PhD, FCS
- Dr. Othman W. Kiloloma, MD, MMed, MSc
- Dr. Respicious Boniface, MD
- Dr. Isidore Ngayomela, MD
- Dr. Nicephorus Rutabasibwa, MD, MMed, MSc

### INVITED INTERNATIONAL FACULTY:

- Antonio Bernardo, MD, US
- Ross Bullock, MD, US
- Anthony Figaji, MD, South Africa
- Jeffrey Greenfield, MD, US
- Roger Härtl, MD, US
- Ronald Lett, MD, MSc, FCS (ECSA), FRCSC, Canada
- Halinder S. Mangat, MD
- Karen March, RN, MN, CNRN, US
- David Oluoch Olunya, MD, Kenya
- Moody Qureshi, MD, Kenya
- Philip E. Stieg, MD, PhD, US
- Michael Verelli, US

## OBJECTIVES OF THE TRAINING

Neurotrauma is the leading cause for morbidity and mortality in young adults worldwide. Evidence-based neurotrauma management reduces mortality, improves outcomes and reduces costs. With the increase in motor vehicles, motorcycles and overall mobility in sub-Saharan Africa, neurotrauma is a significant contributor to the healthcare crisis in the region. The purpose of this course, comprised of lectures, sawbone workshops and live surgery, is to teach and train young surgeons in the essential and up-to-date techniques and evidence-based management principles of brain and spinal trauma relevant to East Africa.

It is intended that this course will help establish neurosurgical care through a “train-the-trainer” teaching model. At the conclusion of this course, participants’ knowledge and competence will be evaluated based on their increased ability to:

- Correctly assess and manage traumatic brain and spinal injury in the emergency room
- Determine imaging modalities and time points for imaging after brain and spine trauma
- Implement best practices in intensive care management following treatment for neurotrauma
- Identify indications for surgical intervention in brain and spinal trauma
- Classify cervical and thoracolumbar trauma fractures of the spine.

## COURSE PROGRAM OUTLINE

<b>TIMELINE:</b>	<b>March 3-7, 2014</b>
Monday 3/3	Didactic Sessions (Venue: Sea Cliff Hotel) Sawbones (Venue: MOI) Nursing Breakout (Venue: MOI)
Tuesday 3/4	Didactic Sessions (Venue: Sea Cliff Hotel) Sawbones (Venue: MOI) Nursing Breakout (Venue: MOI)
Wednesday 3/5	Head & C-Spine Trauma Course (Venue: MOI) Pre surgery Case Discussions (Venue: MOI) Live Surgery (Venue: MOI)
Thursday 3/6	Pre surgery Case Discussions (Venue: MOI) Live Surgery: Brain/Spine (Venue: MOI)
Friday 3/7	Pre surgery Case Discussions (Venue: MOI) Live Surgery: Brain/Spine (Venue: MOI)

## AGENDA

### DIDACTIC SESSION • MONDAY, MARCH 3 • LOCATION: SEA CLIFF HOTEL

8:30-8:40 am	OFFICIAL WELCOME -Tanzanian Ministry of Health and Social Welfare	<b>SESSION 2:</b>	<b>Chaired by Othman Wanin Kiloloma, MD &amp; Ross Bullock, MD</b>
<b>SESSION 1:</b>	<b>Chaired by Professor Joseph Kahamba &amp; Philip E. Stieg, MD, PhD</b>	1:30-2:10 pm	Case Discussions -All Faculty
8:40-9:00 am	Current Challenges for Neurotrauma in East Africa -Moody Quereshi, MD, Kenya	2:10-2:40 pm	Surgical Management of Complex TBI: Skull Base, Craniofacial, CSF Leaks -Philip E. Stieg, MD, PhD, US
9:00-9:20 am	Reduction in Mortality from TBI Using Evidence-based Treatment Guidelines -Roger Härtl, MD, US	2:40-2:50pm	Discussion
9:20-9:30 am	Discussion	2:50-3:10 pm	<i>Tea Break &amp; Travel to Stations (MOI)</i>
9:30-9:50 am	Initial Management Principles of TBI -Halinder S. Mangat, MD, US	3:10-5:20 pm	Breakouts/Sawbones & Nursing • Group 1: Cervical Spine Sawbones: -Dr. Härtl
9:50-10:00 am	Discussion		• Group 2: Craniotomies for Trauma— Sawbones, Cranial Traction: -Drs. Bernardo & Bullock
10:00-10:20 am	<i>Tea Break</i>		• Group 3: EVD Placement & Management: -Drs. Mangat & Figaji
10:20-10:50 am	ICU & ICP Management of TBI -Anthony Figaji, MD, South Africa		• Nurses & MDs: Separate Breakout— Basic ICU Care -Karen March, RN, MN, US
10:50-11:00 am	Discussion		
11:00-11:30 am	Surgical Management for TBI -Ross Bullock, MD, US		
11:30-11:40 am	Discussion		
11:40-12:10 pm	Pediatric TBI -Jeffrey Greenfield, MD, US		
12:10-12:20	Discussion		
12:20-1:30 pm	<i>Lunch</i>		

### DIDACTIC SESSION • TUESDAY, MARCH 4 • LOCATION: SEA CLIFF HOTEL

8:30-8:40 am	WELCOME	1:30-2:10 pm	Case Discussions - All Faculty
<b>SESSION 3:</b>	<b>Chaired by Anthony Assey, MD &amp; Roger Härtl, MD</b>	2:10-2:40 pm	The Westgate/Nairobi Disaster: Lessons Learned - David Oluoch Olunya, MD, Kenya
8:40-9:10 am	Initial Assessment and Management of the Spinal Trauma Patient -Halinder S. Mangat, MD, US & Karen March, RN, MN, US	2:40-2:50pm	Discussion
9:10-9:20 am	Discussion	2:50-3:10 pm	<i>Tea Break &amp; Travel to Stations (MOI)</i>
9:20-9:50 am	Imaging of Spinal Trauma -Othman W. Kiloloma, MD, Tanzania	3:10-5:20 pm	Breakouts/Sawbones & Nursing • Group 1: Lumbar Spine Sawbones: - Dr. Härtl
9:50-10:00 am	Discussion		• Group 2: Case Scenarios— Acute TBI and SCI Management: - Dr. Bullock
10:00-10:20 am	<i>Tea Break</i>		• Group 3: ICU Management: Practical Issues (Blood Pressure, CPP, Seizures, Nutrition, etc.): - Dr. Mangat
10:20-10:50 am	Spinal Cord Injury: Medical Treatment -Ross Bullock, MD, US		• Nurses: Separate Breakout for Nurses - Karen March, RN, MN, US
10:50-11:00 am	Discussion		
11:00-11:30 am	Classification Systems of Spinal Trauma -Roger Härtl, MD, US		
11:30-11:40 am	Discussion		
11:40-12:10pm	Surgical Treatment of Spinal Trauma -Roger Härtl, MD, US	5:20 pm	Reconvene, Certificates & Closure
12:10-12:20pm	Discussion		
12:20-1:30 pm	<i>Lunch</i>		



## AGENDA CONTINUED

### SPECIAL CONCURRENT SESSIONS • WEDNESDAY, MARCH 5 • LOCATION: MOI

8:30 am-5:20 pm	Case Discussion & Live Surgery		
8:30 am-5:20 pm	Canadian Network for International Surgery: Traumatic Brain & Spine Injury Instructors Course -Ronald Lett, MD, Canada & Othman W. Kiloloma, MD, Tanzania		
8:30 am-9:00 am	Course Introduction -Othman W. Kiloloma, MD, Tanzania		
9:00 am-9:30 am	Pre Test -Othman W. Kiloloma, MD, Tanzania		
<b>SESSION</b>	<b>Chaired by Ronald Lett, MD, MSc, FCS (ECSA), FRCSC</b>	11:10-11:30 am	<i>Tea Break</i>
9:30-9:55 am	Initial Assessment of the Trauma Patient -Ronald Lett, MD, Canada	11:30-1:00 pm	Case Studies: Review of Current & Preparation of New
	Commentary -Respicious Boniface, MD, Tanzania	1:00-1:45 pm	<i>Lunch</i>
9:55-10:20 am	Traumatic Brain Injury -Othman W. Kiloloma, MD, Tanzania	1:45-2:30 pm	Quiz Questions. Practice Teaching and Preparation of New MCQs
	Commentary -Ross Bullock, MD, US	2:30-4:30 pm	Skill Stations (Simulation Sessions/3 groups)
10:20-10:35 am	Cervical Spine Injuries -Isidore Ngayomela, MD, Tanzania		Station 1. Burr Holes and Craniotomy Station 2. Elevation of Depressed Skull Fracture and Dural Repair Station 3. Transfer of C-Spine Injury; Application of Skull Tongs
	Commentary -Roger Härtl, MD	4:30-5:00 pm	Evaluation and Certification
10:35-11:10 am	Spinal Cord Syndromes -Othman Wanin Kiloloma, MD, Tanzania		
	Commentary -Nicephorus Rutabasibwa, MD, Tanzania		

### LIVE SURGERY SESSION • THURSDAY, MARCH 6 • LOCATION: MOI

8:30 am-5:20 pm Case Discussion & Live Surgery (*with Lunch Break*)

### LIVE SURGERY SESSION • FRIDAY, MARCH 7 • LOCATION: MOI

8:30 am-5:20 pm Case Discussion & Live Surgery (*with Lunch Break*)

## REGISTRATION

**REGISTRATION FEE:** Physicians and Specialists: 120 USD ■ Residents: 100 USD  
For more information and to register, contact: Roger Härtl, MD at [roger@hartlmd.net](mailto:roger@hartlmd.net)

**ACCOMMODATIONS:** Hotel reservations can be made directly or through the local organizing committee.  
Contact: TBD

• **SEA CLIFF HOTEL**  
Toure Drive, Msasani Peninsula  
P.O. Box 3030, Dar es Salaam, Tanzania  
T: +255 22 5529900  
M: +255 764 700600  
EMAIL: [reservations@hotelseacliff.com](mailto:reservations@hotelseacliff.com),  
[information@hotelseacliff.com](mailto:information@hotelseacliff.com)

• **ROYAL MUSHI HOTEL**  
Mikocheni B (Bima Rd.), Masjid Abdallah,  
P.O. Box 78704, Dar es Salaam, Tanzania  
T: +255 657 435 511  
EMAIL: [nourdinmushi@yahoo.com](mailto:nourdinmushi@yahoo.com)  
Room rate: 30 USD single/twin bed  
(Bed & Breakfast)

Room rates ranging from 180 USD to 320 USD