

2nd Hands-On Neurotrauma Course for the East, Central, and Southern African Region

May 11-15, 2015



"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, US

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



SUPPORTED BY:



**Colin MacDonald
and Family**

Special Thanks to: William Beecher Scoville Foundation * Leonard & Evelyn Lauder Foundation * Eric Javits Family Foundation

COURSE INFORMATION

LOCAL ORGANIZING COMMITTEE:

- Hamis K. Shabani, MD, PhD
- Nicephorus K. Rutabasibwa, MD, MMed, MSc
- Joseph F. Kahamba, MD, MMed, MSc, MBA
- Kitugi Samwel Nungu, MD, MMed, PhD
- Antony Assey, MD, MMed

LOCAL FACULTY:

- Hamis K. Shabani, MD, PhD—Head, Neurosurgery Unit, MOI
- Othman W. Kiloloma MD, MMed, MSc—Executive Director, MOI
- Joseph F. Kahamba, MD, MMed, MSc, MBA
- Nicephorus K. Rutabasibwa, MD, MMed, MSc
- Isidor Ngayomela, MD, MMed
- Kitugi Samwel Nungu, MD, MMed, PhD
- Anthony Assey, MD, MMed
- Respicious Boniface, MD, MMed

INTERNATIONAL ORGANIZING COMMITTEE:

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

INVITED INTERNATIONAL FACULTY:

- Philip E. Stieg, PhD, MD—USA
- Halinder Mangat, MD—USA
- Michael McDermott, MD—USA
- Michael Verrelli—USA
- Karen March, RN—USA
- Alex van der Horst, MD—Namibia
- José Piquer Belloch, MD—Spain
- Claude Martin, MD—Switzerland
- Karol Budohoski, MD—UK
- Mohamed El-Fiki, MD—Egypt
- Mahmood Qureshi, MD—Kenya
- Abednego Kinasha, MD—Botswana
- David Oluoch Olunya, MD—Kenya

OBJECTIVES OF 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 comprising lectures, sawbone workshops and live surgery will be to teach and train young surgeons and nurses in the essential and up-to date techniques and evidence-based management principles of brain and spinal trauma relevant for 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
- Correctly choose imaging modalities and time points for imaging after brain and spine trauma
- Implement best practices in intensive care management following treatment for neurotrauma
- Correctly identify indications for surgical intervention in brain and spinal trauma
- Classify cervical and thoracolumbar trauma fractures of the spine.

COURSE PROGRAM OUTLINE

TIMELINE: MAY 11-15, 2015

Monday	Didactic Sessions (Venue: Sea Cliff Hotel) Sawbones
Tuesday	Nursing Breakout with Karen March Didactic Sessions (Venue: Sea Cliff Hotel) Sawbones
Wednesday	Nursing Breakout with Karen March Pre surgery & Case Discussions MOI Live Surgery (Venue: MOI)
Thursday	Pre surgery & Case Discussions MOI Live Surgery: Brain / Spine (Venue: MOI)
Friday	Pre surgery & Case Discussions MOI Live Surgery: Brain / Spine (Venue: MOI)

AGENDA

DIDACTIC SESSION • Monday • Location: Sea Cliff Hotel

8:30-8:40 am	Official Welcome	12:00-12:15 pm	Bugando TBI project—preliminary results
	Tanzanian Ministry of Health and Social Welfare	12:15-12:30 pm	Discussion
		12:30-1:30 pm	Lunch
SESSION 1:			
8:40-8:55 am	Current Challenges for Neurotrauma in East Africa	SESSION 2:	
8:55-9:10 am	Reduction in Mortality from TBI using evidence-based treatment guidelines	1:30-2:10 pm	Case Discussions
9:10-9:20 am	Discussion		All Faculty (to bring cases)
9:20-9:35 am	Initial Management Principles of TBI	2:10-2:25 pm	Surgical Management of Complex TBI: Skull Base, Craniofacial approaches
9:35-9:50 am	TBI Radiology: CT and MRI	2:25-2:40 pm	Management of complications: CSF leaks, infection, etc.
9:50-10:00 am	Discussion	2:40-2:50 pm	Discussion
10:00-10:20 am	Tea Break	2:50-3:10 pm	Tea Break & Travel to Stations (MOI)
10:20-10:35 am	ICU & ICP Management of TBI	3:10-5:20 pm	Breakouts / Sawbones
10:35-10:50 am	How to place and manage an EVD		Group 1: Cervical Spine Sawbones
10:50-11:00 am	Discussion		Group 2: Craniotomies for Trauma Sawbones, Cranial Traction
11:00-11:15 am	Surgical Management for TBI		Group 3: EVD Placement & Management
11:15-11:30 am	Decompressive Craniectomies		Nursing care (separate breakout)
11:30-11:40 am	Discussion		Basic ICU Care: Karen March, RN
11:40-11:45 am	Pediatric TBI		
11:45-12:00 noon	MOI TBI project—preliminary results		

DIDACTIC SESSION • Tuesday • Location: Sea Cliff Hotel

8:30-8:40 am	Welcome	12:10-12:20 pm	Discussion
		12:20-1:30 pm	Lunch
SESSION 3:			
8:40-8:55 am	Initial Assessment and Management of the Spinal Trauma Patient	SESSION 4:	
8:55-9:10 am	Imaging of Spinal Trauma	1:30-2:10 pm	Case Discussions
9:10-9:20 am	Discussion		All Faculty (to bring cases)
9:20-9:35 am	Spinal Cord Injury: Medical Management Guidelines	2:10-2:25 pm	Pediatric spinal trauma
9:35-9:50 am	How to stabilize the spine in acute trauma situations (including traction)	2:25-2:40 pm	AO Foundation: Initiatives to improve trauma care world wide—Claude Martin
9:50-10:00 am	Discussion	2:40-2:50 pm	Discussion
10:00-10:20 am	Tea Break	2:50-3:10 pm	Tea Break & Travel to Stations (MOI)
10:20-10:35 am	Classification Systems of Spinal Trauma (upper cervical)	3:10-5:20 pm	Breakouts / Sawbones
10:35-10:50 am	AO Classification System of Spinal Trauma (Subaxial)		Group 1: Lumbar Spine Sawbones
10:50-11:00 am	Discussion		Group 2: Case Scenarios – Acute TBI and SCI Management
11:00-11:15 am	AO Classification Systems of Spinal Trauma (Thoracolumbar)		Group 3: ICU Management: Practical Issues (Blood Pressure, CPP, Seizures, Nutrition)
11:15-11:30 am	Surgery for C0/1/2 injuries		Nursing Care (separate breakout)
11:30-11:40 am	Discussion		Karen March, RN
11:40-11:45 am	Surgery for Subaxial Trauma	5:20 pm	Reconvene, Certificates & Closure
11:45-12:00 noon	Surgery for T/L trauma		

AGENDA (continued)

CASE DISCUSSIONS AND LIVE SURGERY • Wednesday-Friday • Location: MOI

Wednesday

Pre-surgery & Case Discussions 7:30 am – 8:45am

Live Surgery 9:00 am – 4:00 pm

Thursday

Pre-surgery & Case Discussions 7:30 am – 8:45 am

Live Surgery: Brain / Spine 9:00 am – 4:00 pm

Friday

Pre-surgery & Case Discussions 7:30 am – 8:45 am

Live Surgery: Brain / Spine 9:00 am – 4:00 pm

REGISTRATION

Registration Fee: Physicians and Specialists: \$120 USD
Residents: \$100 USD

For more information and to register, contact: Roger Härtl, MD roger@hartlmd.net

ACCOMMODATIONS

Hotel reservations can be made directly or through the local organizing committee.

Sea Cliff Hotel

Toure Drive, Msasani Peninsula
P.O.Box 3030,
Dar es Salaam, Tanzania
Tel: +255 22 5529900; Mobile: +255 764 700600
Email: reservations@hotelseacliff.com,
information@hotelseacliff.com
Room rates ranging from \$180 USD to \$320 USD

Royal Mushi Hotel

Mikocheni B (Bima Rd.), Masjid Abdallah,
P.O.Box 78704, Dar es Salaam, Tanzania
Tel +255 657 435 511
Email: nourdinmushi@yahoo.com
Room rate: \$30 USD single/twin bed (Bed and Breakfast)