

5th HANDS-ON NEUROSURGERY, NEUROTRAUMA AND CRITICAL CARE COURSE

5th – 9th November, 2018

Venue: Jakaya Kikwete Cardiac Institute – Muhimbili National Hospital Complex

Organized by: Weil Cornell Medical College New York USA and Muhimbili Orthopedic Institute DSM Tanzania

The course is accredited by COSECSA, WFNS, AOSpine, FIENS, BTF, Global Neuro and Neurocritical Care Society.

LOCAL ORGANIZING COMMITTEE:

From Muhimbili Orthopedic Institute (MOI)

- Hamisi K. Shabani, MD, PhD, FCS
- Joseph F. Kahamba, MD, MMed, MSc, MBA, FCS
- Othman W. Kiloloma MD MMed MSc
- Nicephorus K. Rutabasibwa, MD, MMed, MSc
- Laurence Lemeris MD MMed MSc
- Japhet G. Ngerageza, MD, MMed, MSc
- Aingaya Kaale MD MMed MSc
- Happiness Rabieli MD MMed MSc
- Raymond Makundi MD MMed MSc
- John S. Mbwambo MD MMed
- Alpha Kinghomela MD MMed
- Monafisha Lema MD MMed
- Albert Lazaro MD
- Yusef Imani Mosley MD
- Elizabeth Wampembe MD

LOCAL FACULTY:

From Muhimbili Orthopedic Institute (MOI)

- Hamisi K. Shabani, MD, PhD, FCS
- Respicious Boniface, MD, MMed
- Othman W. Kiloloma, MD MMed MSc
- Nicephorus Rutabasibwa MD MMed MSc
- Joseph F. Kahamba, MD, MMed, MSc, MBA, FCS
- Mohammed Y. Janabi, MD, PhD.
- Anthony Assey, MD, MMed
- Laurent Lemeris, MD, MMed, MSc
- Hadija Mndeme, RN, CCN
- Japhet G. Ngerageza, MD, MMed, MSc
- Edwin Lugazia, MD MMed FCTA MBA
- Albert Lazaro, MD

INTERNATIONAL ORGANIZING COMMITTEE:

- Roger Härtl, MD - Director of Spinal Surgery and Neurotrauma, Weill Cornell Brain and Spine Center, Weill Cornell Medicine, New York
- Halinder S. Mangat, MD - Medical Director, Neurocritical Care, Department of Neurology & Neurosurgery, Weill Cornell Medicine, New York

INVITED INTERNATIONAL FACULTY:

- Óscar L. Alves, MD - Portugal
- Amer Aziz, MD – Pakistan
- Allison Basham, PA - USA
- Michael Blessing, MD – Uganda
- Christopher Bonfield, MD – USA
- Karol Budohoski, MD – UK
- Tarq Khan - Pakistan
- Sertac Kirnaz, MD - USA/Turkey
- David Jeffrey Kopman, MD - USA
- Ezriel Kornel, MD – USA
- Bernhard Meyer, MD - Germany
- Venugopal Menon, MD - India
- Alim Mitha, MD – Canada
- Alex Nodell, Depuy Synthes - USA
- Petr Ondra, MD – Austria
- Jose Piquer, MD - Spain
- Benjamin Rapoport, MD - USA
- Franziska Schmidt, MD - USA/Germany
- Philip E. Stieg, PhD, MD - USA
- Jose M. Torres-Campa, MD - Spain
- E. Haley Vance, DNP - USA
- Christoph Wipplinger, MD - USA/Austria
- Scott Zuckerman, MD - USA

OBJECTIVES OF TRAINING

For several years, Dar es Salaam Neurotrauma Course has trained young surgeons and nurses in essential, up-to-date techniques and evidence-based management principles for brain and spinal trauma relevant for East Africa.

This year, we extend our agenda to include dedicated sessions in skull base anatomy and skull base surgery, discussion on neurotrauma management based on original data collected at our center; a practical session on saw bones and a full day oriented for critical care management of neurotrauma patients. There is also a three-day practical of live surgery where residents will get acquainted with finest skills from the experts. During the course the residents can also get chance to discuss their clinical cases in the discussion session.

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

- Understand health systems for management of acute neuro-axial illness and inherent challenges
- Correctly manage traumatic brain and spinal injury in emergency room
- Correctly identify indications for surgical interventions in brain and spinal trauma
- Classify cervical and thoracolumbar trauma fractures of the spine
- Know radiological features of degenerative spinal disorders and current surgical techniques for their treatment
- Understand classification and management of skull base and spinal tumors
- Understand 3D microsurgical anatomy and surgical approaches to skull base lesions
- Understand approaches for treatment of anterior and posterior circulation pathology
- Practice and handling of fine microsurgical instruments
- Understand the basic neurocritical care approaches to neurotrauma patient
- Understand the current concepts in global neurotrauma, hurdles with in-depth reviews and prospects for joint research in a multispectral manner.

PROGRAM OUTLINE

TIMELINE: November 5th – 9th, 2018

- Monday: Didactic Sessions and Case Discussions (JKCI Conference Hall, Muhimbili Dar es Salaam)
- Tuesday: Didactic Sessions and Case Discussions (JKCI Conference Hall, Muhimbili Dar es Salaam)
Practical session on saw bones – skull and spine (JKCI Conference Hall, Muhimbili Dar es salaam)
Didactic sessions - Emergency Neurological Life Support
- Wednesday: Didactic sessions - Emergency Neurological Life Support
Clinic/Live Surgery (MOI, Dar es Salaam)
Didactic sessions - Emergency Neurological Life Support
- Thursday: Clinic/Live surgery (MOI, Dar es Salaam)
Didactic sessions - Emergency Neurological Life Support
- Friday: Clinic/Live surgery (MOI, Dar es Salaam)

AGENDA

•Monday•

Didactic Sessions: JKCI Conference Hall, Muhimbili Dar-es-Salaam, Tanzania

07:00 - 08:00 am	Registration	
08:00 - 08:30 am	Delegates seated – course pre test	<i>Dr. H. Shabani/Dr. A. Lazaro</i>
08:30 - 08:40 am	Welcome remarks	<i>Dr. Respicius Boniface</i>
08:40 - 08:50 am	A word from the international organizing committee	<i>Dr. Roger Härtl</i>
08:50 - 09:10 am	Official welcome from Ministry of Health and Social Welfare	<i>Deputy Minister for Health</i>

SESSION 1: Global perspective

Chairpersons: Dr. Roger Härtl and Dr. Othman Kiloloma

09:20 - 09:30 am	Current challenges of neurological surgery and strategies for permanent solutions – quantity/quality issues	<i>Dr. Joseph F. Kahamba</i>
09:30 - 09:40 am	COSECSA: Neurosurgical training in ECSA region	<i>Dr. Laston Chikoya</i>
09:40 - 09:50 am	WFNS: Role of WFNS in Global Neurosurgery	<i>Dr. Tariq M. Khan</i>
09:50 - 10:00 am	CAANS: Neurosurgery training in Africa	<i>Dr. Moody Qureshi</i>
	Discussion	

SESSION 2: Traumatic brain injury

Chairpersons: Dr. Halinder Mangat and Dr. Hamisi Shabani

10:15 - 10:30 am	Assessment and management of severe TBI using evidence-based guidelines	<i>Dr. Christoph Wipplinger</i>
10:30 - 10:45 am	Pediatric TBI assessment and management	<i>Dr. Nicephorus Rutabasibwa</i>
10:45 - 11:00 am	Surgical management of TBI – focus on decompressive craniectomy	<i>Dr. Benjamin Rapoport</i>
11:00 - 11:15 am	ICU and ICP management of severe TBI, prehospital management	<i>Dr. Halinder Mangat</i>
11:15 - 11:30 am	Current status of trauma in Tanzania – the CNIS experience	<i>Dr. Respicius Boniface</i>
11:30 - 12:00 pm	Knowledge of pre-hospital care among public transporters on TBI patients – how to install the protocol	<i>Dr. Hamisi Shabani/ Stephen Nyamsaya</i>
	Discussion	

PARALLEL SESSION 1: Nurses breakout session (Location: JKCI office)

10:35 - 12:00 am	Care of traumatic brain injured patients: Lectures and hands-on demonstrations	<i>E. Haley Vance, DNP</i> <i>Allison Basham, PA</i> <i>Hadija Mndeme RN/CCN</i>
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SESSION 3: Research at MOI

Chairpersons: Dr. Ezriel Kornel and Prof. Dr. B. Meyer

12:00 - 12:15 pm	MOI TBI database – ongoing findings	<i>Dr. Japhet Ngerageza</i>
12:15 - 12:30 pm	MOI TBI audit – preliminary results	<i>Dr. Japhet Ngerageza</i>
12:30 - 12:45 pm	Clinical research: Basics and processes – focus on research question formulation, data collection QC/QA issues	<i>NIMR Tanzania</i>
12:45 - 01:00 pm	Ethical review processes	<i>MUHAS Tanzania</i>
01:00 - 01:15 pm	Epidemiology of RTI in DSM – LMIC methodology perspective	<i>Dr. Angela Samuel</i>
	Discussion	

01:30-02:30 pm Lunch break

Keynote address

02:30 - 03:00 pm	How to build a successful brain and spine center	<i>Dr. Philip Stieg</i>
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SESSION 4: Successful management in brain surgery

Chairpersons: Dr. Philip Stieg and Dr. Japhet Ngerangeza

03:00 - 03:20 pm	Role of ICP management	<i>Dr. Roger Härtl</i>
03:20 - 03:40 pm	Surgical management of skull base tumors	<i>Prof. Dr. B. Meyer</i>
03:40 - 04:00 pm	Cambridge GNOS study	<i>Dr. Karol Budohoski</i>
04:00 - 04:20 pm	Attitudes towards CT utilization in severe TBI	<i>Dr. Halinder Mangat</i>
04:20 - 04:40 pm	Contemporary Aneurysm Treatment in the Endovascular Era	<i>PD Dr. Ondra Petr</i>

04:40 - 05:00 pm

Case discussion (TBI and tumor cases)

Dr. R. Makundi & Dr. N. Rutabasibwa

AGENDA

• Tuesday •

Didactic Sessions: JKCI Conference Hall, Muhimbili Dar es Salaam, Tanzania

08:00 - 08:40 am

Registration

PARALLEL SESSION 2: TBI and spinal trauma database coordination meeting (Location: JKCI office)

08:40 - 10:20 am

Meeting of the coordination team

(R. Härtl, F. Schmidt, S. Kirnaz, A. Lazaro, H. Mangat, J. Ngerageza, H. Shabani, N. Rutabasibwa)

SESSION 5: Classification and surgical principals in spine injury

Chairperson: Dr. Othman W. Kiloloma and Dr. Laurent Lemerli

08:40 - 08:55 am

Initial assessment and management of spinal trauma

Dr. Christoph Wipplinger

08:55 - 09:10 am

Spinal cord injury medical management guidelines

Dr. José Piquer/Amer Aziz

09:10 - 09:25 am

AO classification of thoracolumbar spine injury

Dr. Michael Blessing /W.K. Othman

09:25 - 09:40 am

AO classification of sub axial spine injuries

Dr. Jose Piquer/ Amer Aziz

09:40 - 09:55 am

Classification of upper cervical spine injuries

Dr. Karol Budohoski

09:55 - 10:10 am

Surgery principals for C0/1/2 Injuries

Prof. Dr. Bernhard Meyer

10:10 - 10:25 am

Surgery principals for sub axial spine injuries

Dr. Amer Aziz/Jose Piquer

10:25 - 10:40 am

Surgery principals for thoracolumbar spine injuries

Dr. Torres-Campa

10:40 – 10:50 am

Discussion

10:50 - 11:10 am

Tea break

PARALLEL SESSION 3: Nurses breakout session (Location: JKCI office)

10:20 – 12:20 pm	Care of spinal cord injured patients: lectures and hands-on demonstrations	<i>E. Haley Vance, DNP</i> <i>Allison Basham, PA</i> <i>Hadija Mndeme RN/CCN</i>
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SESSION 6: Infection and Tumor

Chairperson: Dr. Michael Blessing and Dr. Nicephorus Rutabasibwa

11:10 - 11:20 am	Classification and imaging of spinal tumors	<i>Dr. Óscar Alves</i>
11:20 - 11:40 pm	Current management of TB spine Discussion	<i>Dr. KV. Menon</i>

12:00 – 01:30 pm Lunch break

SESSION 7: Imaging/Pediatric/MIS

Chairperson: Dr. Anthony Assey and Dr. Othman W. Kiloloma

01:30 – 01:45 pm	Imaging protocols in traumatic spine	<i>Dr. Mechris Mango</i>
01:45 - 02:00 pm	MRI imaging of the spine	<i>Dr. Benjamin Rapoport</i>
02:00 - 02:15 pm	MIS approaches for treatment of degenerative spinal disorders	<i>Dr. Roger Härtl</i>
02:15 - 02:30 pm	Pediatric spine trauma	<i>Dr. Christopher Bonfield</i>
02:30 - 02:45 pm	Case discussion (All faculty to bring cases)	<i>Dr. A. Kaale & Dr. H. Shabani</i>

02:45 - 03:15 pm Tea break

03:15 - 03:45 pm	Practical saw bone – spine implants	<i>Johnson&Johnson/Medtronics</i>
03:45 – 04:15 pm	MOI spine database: preliminary results & discussion	<i>Dr. A. Lazaro/Dr. N. Rutabasibwa</i>
04:15 – 04:45 pm	Post-test questionnaire & certificate presentation Next day surgery list to be discussed	<i>Dr. A. Lazaro/Dr. A. Kighomela</i> <i>TBD/ALL TEAM</i>

AGENDA

• Wednesday •

Patients seen in clinic and surgery in OR: Muhimbili Orthopedic Institute, Dar es Salaam, Tanzania

SESSION 9: Post-operative case discussion

Chairperson: Prof J.F.Kahamba

01:30 - 01:45 pm	Presentation of surgical procedure done - 1	<i>TBD</i>
01:45 - 02:00 pm	Presentation of surgical procedure done - 2	<i>TBD</i>
02:00 - 02:15 pm	Presentation of surgical procedure done - 3	<i>TBD</i>
02:15 - 03:00 pm	Discussion	
03:00 - 03:30 pm	Tea break	
03:30 - 04:00 pm	Forthcoming cases for surgery	<i>Dr. Mbwambo/Dr. Rabel</i>

AGENDA

• Tuesday 12:00 onwards •

Parallel sessions: Emergency Neurological Life Support (ENLS)

12:00 – 12:30 pm	Welcome to ENLS	<i>Dr. Halinder Mangat</i>
SESSION 1: Chairperson: Dr. E. Lugazia		
12:30 – 01:15 pm	Airway, ventilation and sedation	<i>Dr. Halinder Mangat</i>
01:15 – 02:00 pm	Approach to comatose patient	<i>Dr. Franziska Schmidt</i>
02:00 – 02:30 pm	Tea break	
SESSION 2: Chairperson: Dr. Karima Khalid		
02:30 – 03:10 pm	Subarachnoid hemorrhage	<i>Dr. Franziska Schmidt</i>
03:10 – 03:50 pm	Meningitis and encephalitis	Allison Basham

03:50 -

To main hall for neurotrauma course certificates

AGENDA

Wednesday

Didactic Sessions: Emergency Neurological Life Support (ENLS) JKCI Conference Hall, Muhimbili Dar-es-Salaam, Tanzania

SESSION 3: Chairperson: Dr. E. Lugazia

08:30 - 09:10 am	Resuscitation after cardiac arrest	<i>Dr. Halinder Mangat</i>
09:15 - 09:45 am	Status epilepticus	<i>Dr. Christoph Wipplinger</i>
	Discussion	

10:00 - 10:30 am Tea break

SESSION 4: Chairperson: Dr. Karima Khalid

10:30 – 11:15 am	Traumatic brain injury	<i>Dr. Christoph Wipplinger</i>
11:15 – 12:00 am	Intracranial hypertension	<i>Dr. Halinder Mangat</i>
	Discussion	

12:30 – 01:30 pm Lunch break

SESSION 5: Chairperson: Dr. E. Lugazia

01:00 – 01:45 pm	Traumatic spine injury	<i>Dr. Christoph Wipplinger</i>
01:45 – 02:30 pm	Spinal cord compression	<i>Dr. Halinder Mangat</i>

2:30 – 03:00 pm Tea break

SESSION 6: Chairperson: Dr. Karima Khalid

03:00 – 03:45 pm	Acute ischemic stroke	<i>Dr. Franziska Schmidt</i>
03:45 – 04:30 pm	Intracerebral hemorrhage	<i>Allison Basham</i>

AGENDA

•Thursday - Friday•

Patients seen in clinic and surgery in OR: Muhimbili Orthopedic Institute, Dar es Salaam, Tanzania

08:00 – 01:15 pm OPD clinic and Surgery at MOI ALL

01:15 - 05:00 pm Lunch then clinical discussion ALL

Chairperson Thursday: Othman Kiloloma

Chairperson Friday: Japhet Ngerageza

REGISTRATION


For more information, contact: Franziska Schmidt, MD at: Schmidt_Franziska@gmx.de

To register, contact: Hamisi K. Shabani, MD at: hshabanijp@yahoo.co.uk

ACCOMMODATIONS

Hotel reservations can be made

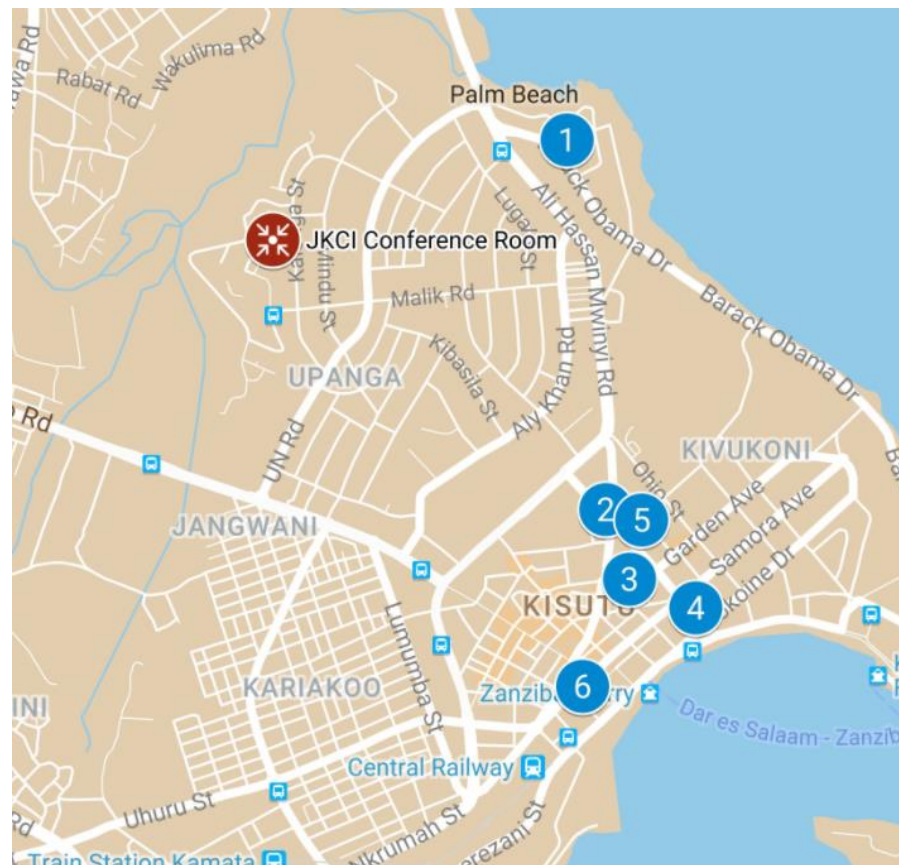
Hospital

 JKCI Conference Room

Hoteles

- 1** Protea Hotel by Marriott Dar es Salaam Courtyard
- 2** Holiday Inn Dar Es Salaam
- 3** Golden Tulip Hotel Dar City Centre
- 4** New Africa Hotel & Casino
- 5** Ramada Encore Dar Es Salaam
- 6** Harbour View Suites

directly or through local organizing committees in Dar es Salaam



**5TH HANDS-ON NEUROSURGERY,
NEUROTRAUMA AND CRITICAL CARE
COURSE - TANZANIA**

November 5th - 9th, 2018
JKCI Conference Hall



HOSTED BY
MUHIMBILI ORTHOPEDIC AND NEUROSURGICAL INSTITUTE,
DAR-ES-SALAAM, TANZANIA

IN COLLABORATION WITH
BRAIN AND SPINE CENTER AT WEILL CORNELL MEDICAL COLLEGE
NEW YORK, NY, USA



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