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 Lemer MD MMed MSc
• Japhet G. Ngerageza, MD, MMed, MSc
• Aingaya Kaale MD MMed Msc
• Henry D. Humba MD MMed MSc
• Juma Magogo MD MSc
• Alpha Kinghomela MD MMed
• Albert Lazaro 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 Lemer 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:
• Philip E. Stieg, PhD, MD—USA
• Benjamin Rapaport, MD - USA
• Ezriel Kornel, MD – USA
• Christopher Bonfield, 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,
- Get in-depth reviews and prospects for joint research and projects
PROGRAM OUTLINE

TIMELINE: November 16th – 20th, 2020

Monday: Didactic Sessions and Case Discussions

Tuesday: Didactic Sessions and Case Discussions
Practical session on saw bones – skull and spine
Didactic sessions - Emergency Neurological Life Support

Wednesday: Didactic sessions - Emergency Neurological Life Support/ Neurocritical Care basic Course
Clinic/Live Surgery

Thursday: Clinic/Live surgery

Friday: Clinic/Live surgery
Themes:

1. Global neurotrauma and neurosurgery - current challenges and proposed solutions
2. Pre-hospital care & health systems
3. TBI treatment guidelines
4. Surgical approaches to TBI
5. Basics of spine trauma – Adults & pediatrics
6. Rehabilitation in spine and TBI
7. Role of radiology in TBI and Spine
8. MOI/Weill Cornell Projects (updates)
9. Basics in clinical research and publishing protocols
10. Practicals:  
   i. Nurse breakout 1 hour sessions (Mon & Tue)  
   ii. Practical saw bone  
   iii. 3D anatomy video  
11. Meet the experts – clinical discussion of cases (4-5pm daily)  
12. Neurocritical care: Emergency Neurological Life Support (ENLS) course – Tuesday & Wednesday  
13. 3 days live surgery – Wednesday-Friday