

7th Annual Neurosurgery, Neurotrauma, and Critical Care Course

Virtual Webinar Presented via Zoom

November 8, 15, and 22, 2020

9 am to 12 pm EST/ 5 pm to 8 pm EAT

TanzaniaNeurosurgery.org



Hosted by Muhimbili
Orthopaedic Institute (MOI)
Dar Es Salaam, Tanzania



In collaboration with
Weill Cornell Medicine
Brain and Spine Center
New York, New York



Endorsed by:



COSECSA
College of Surgeons of
East, Central and Southern Africa



Foundation for International Education in Neurological Surgery

7th Annual Neurosurgery, Neurotrauma, and Critical Care Course

ORGANIZERS AND FACULTY

It is our pleasure to bring local and international leaders in neurosurgery, neurotrauma, and critical care together for this three-part event.

We are honored to welcome the following faculty and guests to present this year's curriculum

Local Organizing Committee

From Muhimbili Orthopedic Institute (MOI)

- Juma Magogo, MD, MMED (Fellow)
- Constancia Bureta, MD, PhD
- Albert Lazaro, MD
- Laurence Lemery, MD, MMED, MSc
- Silvery Mwesige, MD
- Nicephorus K. Rutabasibwa, MD, MMed
- Hamisi K. Shabani, MD, PhD, FCS

Local Faculty

From Muhimbili Orthopedic Institute (MOI)

- Anthony Assey, MD, MMed (Fellow)
- Dr Constancia Bureta MD, PhD
- Henry Humba, MD, MMED
- Aingaya Kaale, MD, MMed, MSc
- Joseph F. Kahamba, MD, MMed, MSc, MBA, FCS
- Othman W. Kiloloma, MD, MMed, MSc
- Alfa Kinghomella, MD, MMed, MSc
- Juma Magogo, MD, MMed (Fellow)
- Raymond Makundi, MD, MMed, MSc
- Japhet Ngerageza, MD, MMed, MSc
- Happiness Rabiell, MD, MMed, MSc
- Leonidas Rugambwa, MD, MMed
- Nicephorus Rutabasibwa, MD, MMed
- Shadrack Schock, MD, MMed
- Hamisi S. Shabani, MD, PhD, FCS
- Zarinah Shabhay, MD, MMed, MSc
- Zehrabanu Zulfikar, MD, MMed

International Organizing Faculty

- Beverly Cheserem, FRCS, Former Global Neurosurgery Fellow in Tanzania (Kenya)
- Branden Medary, BS, Weill Cornell Medicine (U.S.)

International Organizing Committee

From Weill Cornell Medicine, New York, NY

- Roger Härtl, MD, Director of Spinal Surgery, Weill Cornell Medicine Brain and Spine Center
- Halinder S. Mangat, MD, Adjunct Assistant Professor, Department of Neurology

**For more information, visit TanzaniaNeurosurgery.org
Or email neurosurgery-subs@med.cornell.edu**

The Value of Data in Managing Traumatic Brain Injury

The first Sunday features a robust series of lectures discussing how data and informatics influence the needs, performance, and effectiveness of medical care

AGENDA

1700–1705 Welcome to the Meeting —*Dr. Roger Härtl (U.S.) and Dr. Hamisi Shabani (Tanzania)*

TBI UPDATES TO GLOBAL PERSPECTIVE

Moderated by Dr. Laurence Lemery

1705–1720 The Peshawar Declaration: Policy-Making Across Continents
—*Dr. Hamisi Shabani (Tanzania)*

1720–1730 After the Peshawar Declaration: The Nigerian Perspective
—*Prof. Amos Adeleye (Nigeria)*

1730–1740 After the Peshawar Declaration: The Pakistan Perspective
—*Dr. Aneela Darbar (Pakistan)*

1740–1800 Roundtable Discussion —*Moderated by Dr. Laurence Lemery (Tanzania)*

1800–1900 Case-Based Discussions (Led by MOI)

Moderated by Dr. Joseph Kahamba and Dr Othman Kiloloma

The cases will revolve around challenges in management and reference to data/protocols/publications/evidence currently available

COSECSA Member Panelists: Dr. Alex Muhindo (Uganda); Dr. Sylvia Shitsama (Kenya); Dr. Tsegazeab Laeke (Ethiopia); Dr. Ignatius Esene (Cameroon)

QUALITY: HOW DO YOU DO IT?

Moderated by Dr. Japhet Ngerageza (Tanzania) and Dr. Zarinah Shabhay (Tanzania)

1900–1908 Pre-Hospital Care for TBI Patients in Tanzania —*Dr. Constansia Bureta (Tanzania)*

1908–1916 Pre-Hospital Management (What is the system from time of injury to arrival to a neurosurgical unit?) —*Prof. Haytham Hussein (Sudan)*

1916–1924 Surgical Management (Median time to theatre, what surgical resources, both equipment and personnel) —*Dr. Ken-Keller Kumwenda (Malawi)*

1924–1932 ICU Management (What resources—equipment, space, and personnel—are available, who gets care, who runs the ICU?) —*Dr. Claire Karekezi (Rwanda)*

1932–1940 The Value of a TBI Registry in Changing Practice and Improving Outcomes: The MOI-Weill Cornell Experience) —*Dr. Hamisi S. Shabani (Tanzania)*

1940–1948 What Are the Gaps in TBI Care in Sub-Saharan Africa?
—*Miss Beverly Cheserem (Kenya)*

1948–2000 Question and Answer Session

2000 Vote of Thanks and Closing Remarks

Day 2: Sunday, November 15, 2020

Managing Spinal Trauma in a Resource-Limited Setting

*On the second Sunday of the course, we will focus on pragmatic research and management
In low- and middle-income countries (LMICs)*

AGENDA

MANAGEMENT OF SPINAL CORD INJURIES IN LMICs

Moderated by Dr. Chris Bonfield (U.S.), Dr. Japhet Ngerageza (Tanzania), and Dr. Happiness Rabel (Tanzania)

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| 1700–1705 | Welcome | —Dr. Shadrack Schock (Tanzania) |
| 1705–1715 | Is There a Benefit to Operating on ASIA Grade A Patients in LMICs? | |
| | The MOI Experience | —Dr. Scott Zuckerman (U.S.) |
| 1715–1725 | Maximizing Safety in Spine Surgery in Resource-Limited Countries | |
| | | —Dr. Nicephorus Rutabasibwa (Tanzania) |
| 1725–1735 | Pediatric Spinal Trauma: How to Manage in a LMIC | |
| | | —Prof. Massimo Balsano (Italy) |
| 1735–1755 | Experience and Models of Training Future Spine Surgeons in LMICs: What Is the Role of Neurosurgical Boot Camps? | |
| | | —Dr. Andreas Leidinger (Spain), Dr. Richard Bransford (U.S.), and Mr. Jake Timothy (U.K.) |
| 1755–1800 | Question and Answer Session | |

CASE-BASED DISCUSSIONS

Moderated by Prof. Joseph Kahamba (Tanzania), Dr. Scott Zuckerman (U.S.), Dr. Andreas Leidinger (Spain), and Dr. Juma Magogo (Tanzania) **COSECSA Member Panelists:** Dr. Raymond Makundi (Tanzania); Dr. Rodney Mugarura (Uganda); Dr. Azarias Kassahun Admasu (Ethiopia); Dr. Florentius Koech (Kenya); Dr. Valentine Madidvzidza (Zimbabwe)

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| 1800–1810 | Treatment of Traumatic Thoracolumbar Fracture: How Much Fusion Do We Need? | |
| | | —Dr. Constansia Buretta (Tanzania) and Dr. Leonidace Rugambwa (Tanzania) |
| 1815–1825 | Complications in Spine Surgery: Risk Factors and How to Avoid? | |
| | | —Dr. Aingaya Kaale (Tanzania) and Dr. Anthony Assay (Tanzania) |
| 1830–1840 | Complete Reductions of Cervical Dislocations: A Biomechanical Approach | |
| | | —Dr. Zarinah Shabbay (Tanzania) and Dr. Shadrack Schock (Tanzania) |
| 1845–1855 | Controversies in Spine Surgery | |
| | | —Dr. Alpha Kinghomella (Tanzania) and Dr. Zehrabanu Zulfikar (Tanzania) |

RESEARCH, TRAINING, POLICY AND COLLABORATIONS

Moderated by Prof. Massimo Balsano (Italy); Dr. Ignatius Essene (Cameroon); and Dr. Zarinah Shabbay (Tanzania)

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| 1900–1915 | Role of Artificial Intelligence in Spine Training | —Prof. Alaa Ahmad (Palestine) |
| 1920–1930 | Building Sustainable Spine Program in LMICs | —Dr. Roger Härtl (U.S.) |
| 1935–1945 | Why Are There Few Spine Rehabilitation Centres in Sub-Saharan African Countries? | |
| | | —Dr. Laurence Lemery (Tanzania) |
| 1945–1955 | When Will We Have Our Own Spine Implant Industries in Sub-Saharan Africa? | |
| | | —Dr. Ncumisa Jilata (South Africa) |
| 1955–2000 | Question and Answer Session | |
| 2000 | Vote of Thanks and Closing Remarks | |

NOTE: all times are East Africa Time (GMT +3; NYC is GMT -5; sessions start at 9am in NYC)

Day 3: Sunday, November 22, 2020

How to Succeed at International Research Collaborations

The third and final day of the course will cover international research collaborations, from what it takes to get started to what steps should be taken to ensure long-term success

AGENDA

TRAINING AND STATUS OF NEUROSURGERY IN LMICs

Moderated by Dr. Hamisi Shabani (Tanzania) and Dr. Zarinah Shabhay (Tanzania)

1700–1705	Welcome	—Dr. Respicious Boniface (Tanzania)
1705–1715	Hands-on Training in Neurosurgery Residency, and Patient Safety	—Miss Beverly Cheserem (Kenya)
1715–1725	Research and Training in Zambia Experience	—Mr. Rikin Trivedi (U.K)
1725–1735	Are the African Neurosurgery Training Models for Purpose?	—Dr. David Oluoch-Olunya (Kenya)
1735–1755	Training and Research Opportunities for Young Neurosurgeons in LMICs	—Dr. Ignatius Essene (WFNS–YNF Co-chair, YCAANS Chair, Cameroon)
1755–1800	Question and Answer Session	

RESEARCH IN LMICs

Moderated by Dr. Juma Magogo (Tanzania) and Dr. John Mbwambo (Tanzania)

1800–1810	The Role of WFNS in Promoting Education and Research in LMICs	—Prof. Franco Servadei (WFNS president, Italy)
1815–1825	Updates in Spine Neurotrauma	—Dr. Roger Härtl (U.S.)
1830–1840	Challenges and Prospects in Neurosurgical Publication in Sub-Saharan Africa	—Prof. Kazadi Kalangu (Zimbabwe)
1845–1855	Roundtable Discussion	
	<i>Moderated by Miss Beverly Cheserem (Kenya) and Dr. Costansia Bureta (Tanzania)</i>	
1855–1800	Question and Answer Session	

COLLABORATIONS

Moderated by Prof. Massimo Balsano (Italy), Dr. Othman Kiloloma (Tanzania), and Dr. Aingaya Kaale (Tanzania)

1900–1915	A Neurosurgeon in LMIC, The Life Journey!	—Dr. Hamisi Shabani (Tanzania)
1920–1930	Global Neurosurgery: Volunteering and Education	—Dr. Gail Rousseau (U.S.)
1935–1945	Ethical Implications for Travelling Neurosurgeons	—Dr. Roger Härtl (U.S.)
1945–1955	Ethiopian and Regional Collaborations	—Dr. Tsegazeab Laeke (Ethiopia)
1955–2000	Question and Answer Session	
2000	Vote of Thanks and Closing Remarks	

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