

# African Spinal Microsurgery Program

*NED Foundation Project*

## LUMBAR COURSE

26-29 October, 2021



A PRACTICAL COURSE  
WITH THE ONE FATHER'S  
OF SPINAL MICROSURGERY  
**PH YOUNG**



**NED Mnazi Mmoja Institute,  
Zanzibar (Tanzania)**

### Faculty

**P.H. Young, M.D.**

Neurosurgeon

Honorary President of NED Foundation  
Dept. of Neurosurgery St.Louis University  
Motion Ortho Spine.

Microsurgery & Brain Research Institute  
St Louis, Missouri. USA

**J. Piquer, MD, Ph D**

Neurosurgeon

President of NED Foundation  
COSECSA Neurosurgical Coordinator at  
Mnazi Mmoja Hospital

**Lisa.M Young BSRN.**

Motion Ortho Spine.  
St. Louis, Missouri. USA

**Victoria R.Carr BSRN.**

Motion Ortho Spine.  
St. Louis, Missouri. USA

**M. Qureshi**

Neurosurgeon

Honorary Vice-President of NED  
Foundation.  
President of CAANS

### Auspices

### Organization

**Dr Said Idrissa**

Chair of Neurosurgical Unit.  
Mnazi Mmoja Hospital.

**J. Piquer, MD, Ph D**

Neurosurgeon

President of NED Foundation  
COSECSA Neurosurgical Coordinator at  
Mnazi Mmoja Hospital

**Hadia Nahoda**

Nurse Coordinator at NED Mnazi Mmoja  
Institute

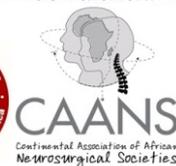
**Official Language: ENGLISH**



NED



Universidad  
Internacional  
de Valencia



# WORKSHOP DESIGN

This workshop has been designed to provide the COSECSA training neurosurgeons with the opportunity to enhance his/her own skills in a variety of common approaches to the spine under the watchful eyes of one of the founding fathers of spinal microsurgery: PH Young. By attending this course all participants will improve their ability to care for patients with multiple degenerative spine conditions through use of the "RealSpine" Surgical Simulator that provides High-Fidelity Procedure Training.

**Pre-course 1 DAY**

**Tuesday October 26**

## THE TEACHING OF SPINAL MICROSURGERY

### **A-Introduction to the Microscope**

Microscope components  
Why, When and How to use the microscope?

#### **Hands-on**

**Laboratory with plastic models**

Practical principles of microscope.  
Microsurgical Practice.



### **B- Introduction to the High-Speed Drill Motor System**

Drill system and nomenclature  
Surgical applications for spinal procedures  
Surgical applications for cranial procedures

#### **Hands-on**

**Laboratory with bone models**

Practical principles of microscope  
Practice of microsurgery



### **C- Lumbar Spinal Microsurgery: Patient Selction Diagnosis, PreOp evluation, IntraOP Management, PostOp Care.**

### **D-Surgical Anatomy of Lumbar Spine.**

Spinal Lumbar Microsurgery Practice. McCulloch & Young Concepts.  
-Anatomical Basis for Lumbar Spine Microsurgery.

#### **Hands-on**

**Laboratory with RealSpine models**

**2 DAY**

Wednesday October 27

**WINDOWS APPROACH TO LUMBAR SPINE STENOSIS**

**A- The interlaminar window.**

-Microdisectomy.

*Hands-on*  
Laboratory with RealSpine models



**B- The resculpturing or laminoplasty decompression technique**

-Types of lumbar stenosis.

-Central Bilateral Stenosis decompression from one side.

*Hands-on*  
Laboratory with RealSpine models

**C- The trasverse window.**

-Approaches to extra and foraminal area.

-Laterak type stenosis and decompression: Subarticular, up-down, front-back, pin hole

*Hands-on*  
Laboratory with RealSpine models

**3 DAY**

Thursday October 28

**LUMBAR FUSION**

**A- Spinal Instability ans Spinal Fusion Surgery in Degenerative Spine**

-Concept and Indications.

-Surgical Technique.

**B- Transpedicular Screw Fixation**

-Free Hand and X-Ray Fixation Techniques

**Hands-on**  
Laboratory with RealSpine models

**C- Posterior Lumbar Interbody (PLIF) and Transforaminal Interbody Fusion (TLIF)**

**Hands-on**  
with plastic models

**Hands-on**  
Laboratory with RealSpine models

**GLOBAL NEUROSURGERY DINNER**

Round Table

**PH Young, M.Qureshi, J.Piquer**

**4 DAY**

Friday October 29

**LIVE SURGERIES AT MNAZI MMOJA HOSPITAL**

**A full day live spinal microsurgery and fusion in two operating theatres**

**General Information**

**Workshop location:**

This workshop will be conducted at the  
NED Mnazi Mmoja Institute (Zanzibar, Tanzania)

**Workshop Tuition Fee and Registration:**

Tuition fee: 50 dollars

**Tuition fee Includes:**

Session in laboratory with bone and plastic models.  
Course materials and syllabus.  
Lunch and refreshment breaks.  
Special event dinner.

**Credits:**

This Course will be Global credit by  
chair of Neurosciences NED-VIU  
Valencia International University  
by five credits (30 hours)

**Registration Form**

Mail this Registration to: [administracion@nedfundacion.org](mailto:administracion@nedfundacion.org)

Method of Payment; Check Enclosed

Bank Transfer. Bank Account:

IBAN (electronic format) ES4821005578020200133288

IBAN (paper format): IBAN ES48 2100 5578 0202 0013 3288

SWIFT/BIC: CAIXESBBXXXA

NAME: \_\_\_\_\_  
MAILING ADDRESS: \_\_\_\_\_  
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FAX: \_\_\_\_\_  
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