1st Maputo International Neurosurgery Meeting
Maputo – Mozambique
10th – 13th October 2023

COECSA Neurosurgery, Department of Morphological Sciences – Human Anatomy Service, Faculty of Medicine of Eduardo Mondlane University, Department of Neurosurgery, Academic Hospital Center São João of O’porto are together in a joint venture with Aesculap Academy Portugal and Aesculap Academy South Africa for an International Course to be held in Maputo, Mozambique. The course will have a theoretical part with lectures and clinical cases discussion and a wet lab with a cadaver course.

This will be a unique course with a lot of hands-on in state-of-the-art technology and instrumentation.

EVENT INFORMATION

COURSE FEE
Early bird (until 10/09/2023)
- Day 1 and 2 (lectures and clinical cases discussion) 100$ USD (150 USD after 10/09/23)
- Day 2 (workshop in the afternoon) 20$ USD (25$ USD after 10/09/23)

Day 3 and 4 (cadaver lab) – The participation in cadaver lab is only possible if surgeons participated on days 1 and 2.
- Hands-on participant (includes day 1,2,3 and 4):
  - 300$ USD until 09/09/2023
  - 350$ USD after 10/09/2023
- Observer participant (includes days 1,2,3 and 4, but no hands-on in cadaver lab)
  - 150$ USD until 09/09/2023
  - 200$ USD after 10/09/2023

REGISTRATION
https://forms.office.com/e/K3WpcXY5Ae
COURSE DIRECTOR
Rui Vaz, MD, PhD
Sérgio Salvador, MD PhD

INVITED SPEAKERS
Agabe Nkusi, Rwanda
Alex van der Horst, Namibia
Andreas Demetriades, Scotland – UK
António Vilarinho, Portugal
Azarias Admasu, Ethiopia
Badra Koné, Namibia
Bruno Carvalho, Portugal
Claudius Thomé, Austria
Djamel Kitumbo, Angola
Ed Benzel, USA
Eduardo Munhequete, Mozambique
Emmanuel Thobejane, South Africa
Erastus Kiratu, South Africa
Eva Timóteo, Mozambique
Hagos Biluts, Ethiopia
Ian Vlok, South Africa
João Carlos Henriques, Mozambique
Joel Kiryabwire, Uganda
John Ouma, South Africa
Laston Chikoya, Zambia
Mahmood Qureshi, Kenya
Mahomed Dadá, Mozambique
Mircya Maocha, Mozambique
David Roytowski, South Africa
Pedro Alberto Silva, Portugal
Paulo Pereira, Portugal
Rui Vaz, Portugal
Sebastian Froelich, France
Sérgio Neto, Angola
Sérgio Salvador, Mozambique
Victória Branco Neves, Mozambique
Yunus Assane, Mozambique
PRELIMINARY AGENDA

Tuesday, October 10th

First Day

07:00 am  Reception and Registration

07:30 am  Welcome
           Rui Vaz, Sérgio Salvador, Patrícia Ruivo

07:45 am  COSECSA

07:55 am  UEM Medicine School Dean

08:05 am  Minister of Science, Technology, and Higher Education

08:20 am  UEM Dean

08:35 am  Head of Mozambique Surgeons Association

Neuro-oncology – Sérgio Salvador & Yunus Assane

09:00 am  How do I Do It?
           “Trans-sphenoidal surgery”
           Hagos Biluts

09:25 am  Controversies
           Low-grade glioma: conservative (Bruno Carvalho) / surgery (Thomas Bogale)
           Bruno Carvalho & Thomas Bogale

10:00 am  Lecture
           “Vestibular Schwannomas”
           David Roytowski

10:25 am  Clinical Cases from participants
           Case: Meningioma
           Sérgio Neto

10:40 am  Coffee-Break
11:10 am  How do I Do It?
“Extended retrosigmoid approaches”
David Roytowski

11:35 am  Controversies
“Treatment of Intracerebral hemorrhage: conservative”
Pedro Alberto Silva & Thomas Bogale

12:10 am  Lecture
“The present state of neurovascular surgery throughout Africa”
John Ouma

12:35 am  Clinical Cases from participants
Case: AVM
Thomas Bogale

01:00 pm  Keynote Lecture
“Global Neurosurgery- a perspective from EANS”
Andreas Demetriades; Moderators: Eva Timóteo & Sérgio Salvador

01:30 pm  Lunch

02:30 pm  Keynote Lecture
“A personal balance between endoscopic and microsurgical skull base approaches”
Sebastian Froelich; Moderators: Pedro Alberto Silva & Hagos Biluts

Cranial Trauma, Hydrocephalus, and Infections – João Carlos Henriques & Laston Chikoya

03:00 pm  Lectures
“Penetrating head trauma”
Laston Chikoya

03:25 pm  Lectures
“A rationale for hydrocephalus treatment in developing countries ETV/CPC”
Hagos Biluts

03:50 pm  Lectures
“The role of surgery for spinal infections”
Erastus Kiratu
04:15 pm  Clinical Cases from participants
          Case: Hydrocephalus
          Djamel Kitumbo

04:30 pm  Coffee-Break

Spinal Trauma, Infections, and Congenital Malformations – Agabe Nkusi & Joel Kiraywire

05:00 pm  Lectures
          "Challenges in the treatment of thoracolumbar fractures in developing countries"
          Erastus Kiratu

05:25 pm  Lectures
          "Treatment of Spinal Dysraphism Variants"
          Laston Chikoya

05:50 pm  Lectures
          "Spondylodiskitis: An African experience"
          Ian Vlok

06:15 pm  Clinical Cases from participants
          Case: Spinal fracture
          Mircya Maocha (Mozambique)

06:30 pm  End of Work

Wednesday, October 11th

Cervical Spine – Emmanuel Thobejane & Erastus Kiratu

08:30 am  How do I Do It?
          "Atlantoaxial Fixation"
          Ian Vlok

Controversies

08:55 am  "Decompression in Cervical Spondylotic Myelopathy": Anterior (Sérgio Salvador) vs. Posterior (Azarias Admasu)
          Sérgio Salvador & Azarias Admasu

Lecture

09:30 am  "Fundamentals and management of Cranio cervical Junction Pathologies"
          Agabe Nkusi
09:55 am  | Clinical Cases from participants
| Case: Cervical Spondylotic Myelopathy
| Badra Koné

10:10 am  | Keynote Lecture
| How to improve outcomes after spinal cord injury?
| Claudius Thomé; Moderators: Paulo Pereira & João Carlos Henriques

10:40 am  | Coffee-Break

Lumbar Spine – Ian Vlok & Sérgio Salvador

11:10 am  | How do I Do It?
| "Technical nuances in TLIF"
| Mahmood Qureshi

11:35 am  | Controversies
| "Radiculopathy and lumbar spondylolisthesis: to fuse (Rui Vaz) or not to fuse (Alex van der Horst)?"
| Rui Vaz & Alex van der Horst

12:10 am  | Lecture
| "Minimally invasive lumbar spine surgery: tips and illustrative cases"
| Emmanuel Thobejane

12:35 am  | Clinical Cases from participants
| Case: Lumbar stenosis
| Sérgio Neto

12:50 am  | Keynote Lecture
| Cervical Spondylotic Myelopathy and Deformity: My Journey
| Ed Benzel; Moderators: Ian Vlok & Sérgio Salvador

13:20 pm  | Lunch

Practical Sessions

Module #1: “Augmented Reality and Surgical Planning in Neurosurgery” (Pedro Alberto Silva e António Vilarinho)

02:00 pm  | Theoretical Session
| “From Neuroanatomy and Image Processing to Neurosurgical Planning and Training”
02:30 pm  “Training in diverse image processing systems”

Module #2: “Spinal instrumentation” (Paulo Pereira)

02:00 pm  Theoretical Session
"Principles and biomechanics of spinal instrumentation”

02:20 pm  “Instrumentation Techniques and Indications”

02:40 pm  Practical Session
"Training in spinal instrumentation models”
(Paulo Pereira, Ian Vlok, Emmanuel Thobejane, Alex Van Der Horst)

04:00 pm  End of Work

Thursday, October 12th

Cadaver Course: Cranial

08:30 am  Theoretical Sessions
The frontotemporal (pterional) approach
António Vilarinho

09:00 am  Theoretical Sessions
The cranio-orbito-zygomatic approach
Eduardo Munhequete

09:30 am  Coffee Break

“Hands-on” Cadaveric Dissection
(António Vilarinho, Pedro Alberto Silva, Hagus Biluts, Joel Kirabwire, Thomas Bogale)
- positioning in anterolateral approaches
- skin flap and preservation of the superficial temporal artery
- inter/subfascial dissection of the temporal muscle.
- frontotemporoorbitozygomatic craniotomy.
- dural opening and exploration of the cisternal anatomy, anterior circulation, and nervous structures in relation to the central base of the skull

09:45 am

13:00 pm Lunch
Theoretical Sessions
Anatomical landmarks and exposure areas in the subtemporal and retrosigmoid approaches
Bruno Carvalho

Theoretical Sessions
The pre-sigmoid and combined approaches
Pedro Alberto Silva

03:00 pm Coffee Break

"Hands-on" Cadaveric Dissection
(António Vilarinho, Pedro Alberto Silva, Hagus Biluts, Joel Kirabwire, Thomas Bogale)
- surgical positioning
- skin flap and mastoid exposure
- temporo-occipital craniotomy
- retromastoid suboccipital craniotomy
- transverse sinus exposure
- mastoidectomy and exposure of the pre-sigmoid corridor

End of Work

Friday, October 13th
Cadaver Course: Spine

Theoretical Sessions
08:30 am Craniocervical junction approaches and anatomy
Paulo Pereira

Theoretical Sessions
09:00 am Posterior cervical and atlantoaxial instrumentation: concepts and technique
Emmanuel Thobejane

09:30 am Coffee Break
"Hands-on" Cadaveric Dissection
(Paulo Pereira, Emmanuel Thobejane, António Vilarinho, Pedro Alberto Silva)

Lab 1: Ventral Cervical Techniques
- Anterior cervical exposure
- Odontoid screw placement
- ACDF
- Corpectomy
- Anterior cervical plating

09:45 am
Lab 2: Dorsal Cervical Techniques
- Posterior cervical exposure
- Laminectomy, laminoplasty and laminoforaminotomy
- Occipital fixation
- C1 lateral mass screws
- C2 lateral mass, pedicle and laminar screws
- Transarticular C1-C2 screws
- Subaxial lateral mass screws

13:00 pm
Lunch

02:00 pm
Theoretical Sessions
Principles and anatomy of the lumbar decompression variants
Emmanuel Thobejane

02:30 am
Theoretical Sessions
Thoracolumbar instrumentation techniques
Paulo Pereira

03:00 pm
Coffee Break

"Hands-on" Cadaveric Dissection
Lab 3: Dorsal Thoracic and Lumbar Decompression Techniques
- Laminectomy and laminotomy
- Thoracic transfacet pedicle-sparing approach and transpedicular approach
- Costotransversectomy
- Lumbar discectomy
- Lumbar paraspinal muscle-splitting (Wiltse's) approach

03:15 am
Lab 4: Dorsal Thoraco-Lumbar and Sacro-Pelvic Instrumentation
- Thoracic and lumbar pedicle screw placement
- Sacropelvic fixation techniques
- TLIF

End of Work