NED-MNAZI MMOJA INSTITUE
BRAIN & SPINE CENTER
KITENDO CHA UPASUAJI WA MGONGO NA VICHWA

3DN NED Foundation  Neuroanatomy Training
Project under the auspices Neurosurgery COSECSA Program
Program Objectives

To provide neurosurgical trainees a teaching program center with Stereoscopic 3D technology that permits obtaining confidence to perform standard operative approaches and practical experience in developing technical skills in cadavers. It is directed specifically to all residents and young neurosurgeons of low and medium income economy countries.

Objectives

• The application of knowledge gained of the neuroanatomy and surgery
• Discussion of surgical decisions making process in the management of neurosurgical patients
• Description and demonstration of the step-wise approach in performing different types of approaches

Design

The intensive program is designed to provide wide opportunities for:
• didactic lectures and cases discussions
• unique 3-D video demonstrations of anatomy and operative approaches
• surgical videos
Program Topics: I Cycle

Course I.- May 2018
Intrinsic brain lesions. Cerebral substance, cerebellum & brainstem. Anatomy & surgical approaches

Course II & WFNS Neuroendoscopic Course.- September 2018
The cerebral ventricles. Neuroendoscopic anatomy & surgery in and around the ventricular system.

Course III. 2019
The posterior fossa. Anatomy & surgical approaches.

Course IV. 2019
The orbit, anterior fossa, sellar & parasellar regions. Anatomy & surgical approaches.

Course V. 2020
The middle, infratemporal fossa & cavernous sinus. Anatomy & surgical approaches.

Course VI. 2020
The spine from the neurosurgeon's view. Anatomy & surgical approaches.
Brainstem Intrinsic Lesions and Posterior Fossa Approaches

Middle Fossa and Petrous Bone Anatomy; Surgical Approaches
Anterior Fossa and Orbital Region Approaches

Cerebral Intrinsic Tumors; Sellar and Parasellar Regions
Welcome.

Phylogenetic evolution of the CNS. A surgical perspective.
3D Lecture

Sulco-gyral architecture and the craniometric points of the skull. The cerebral lobes.
3D Lecture

The importance of surgical planning. Osirix & brain surface reconstruction. 3D cortical neuronavigation.
2D interactive lecture

The Sylvian fissure and the cerebral operculum.
3D Lecture

Coffee break.

The insular lobe. Anatomy and surgery
3D Lecture

Cases discussion with participants
Friday. May 11\textsuperscript{th}, 2018

The white matter of the human brain. Surgical perspective.  
3D Lecture

The interhemispheric fissure and related areas. Surgical approaches.  
3D Lecture

Limbic system. Anatomy and related surgical approaches.  
3D Lecture

Coffee break.

The posterior fossa anatomy. Extrinsic & intrinsic structures: cerebellum & brainstem  
3D Lecture

Cerebellum, pineal gland & fourth ventricle. Medial & paramedial suboccipital routes.  
3D Lecture

Cases discussion with participants

Saturday. May 12\textsuperscript{th}, 2018

Cerebellopontine angle & foramen magnum. Retrosigmoid approach.  
3D Lecture

Final remarks and closure
TUITION FEE INCLUDES:
Course materials and syllabus.
Lunch and refreshment breaks.

REGISTRATION FORM

SURNAME, NAME ........................................................................................................................
ADDRESS ............................................................. POSTCODE ..................................................
COUNTRY..................................
PHONE ................................. EMAIL ...........................................................

Send registration form to: Esperanza Belenguer
administration@nedfundacion.org or to Dr Andreas Leidinger;
Andreas_Leidinger@hotmail.com

WORKSHOP REGISTRATION FEE
Tuition fee: 50 dollars
You can pay during course
The maximum number of participants is 20.

You can make a donation online through our web secure payment area:
www.nedfundacion.org

Or, making a bank transfer to our account:

Currency: 50 dollars
IBAN (paper format): IBAN ES48 2100 5578 0202 0013 3288
SWIFT / BIC: CAIXESBBXXXA
WORKSHOP LOCATION:
This workshop will be conducted at the MNAZI MMOJA NED SURGICAL INSTITUTE.
MNAZI MMOJA HOSPITAL ZANZIBAR (TANZANIA)
NED FOUNDATION 3D
Neuroanatomy Training Program

Approved by COSECSA (The College of Surgeons of East, Central and Southern Africa) for neurosurgical training, the Mnazi Mmoja NED Surgical Institute presents a first Course, which aims to reach of the neurosurgical neuroanatomy and update practical and theoretical knowledge of intrinsic brain lesions

ORGANIZATION & FACULTY

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Director of NED 3D Neuroanatomical Program at Mnazi Mmoja NED Surgical Institute

Dr Pedro Riesgo
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