



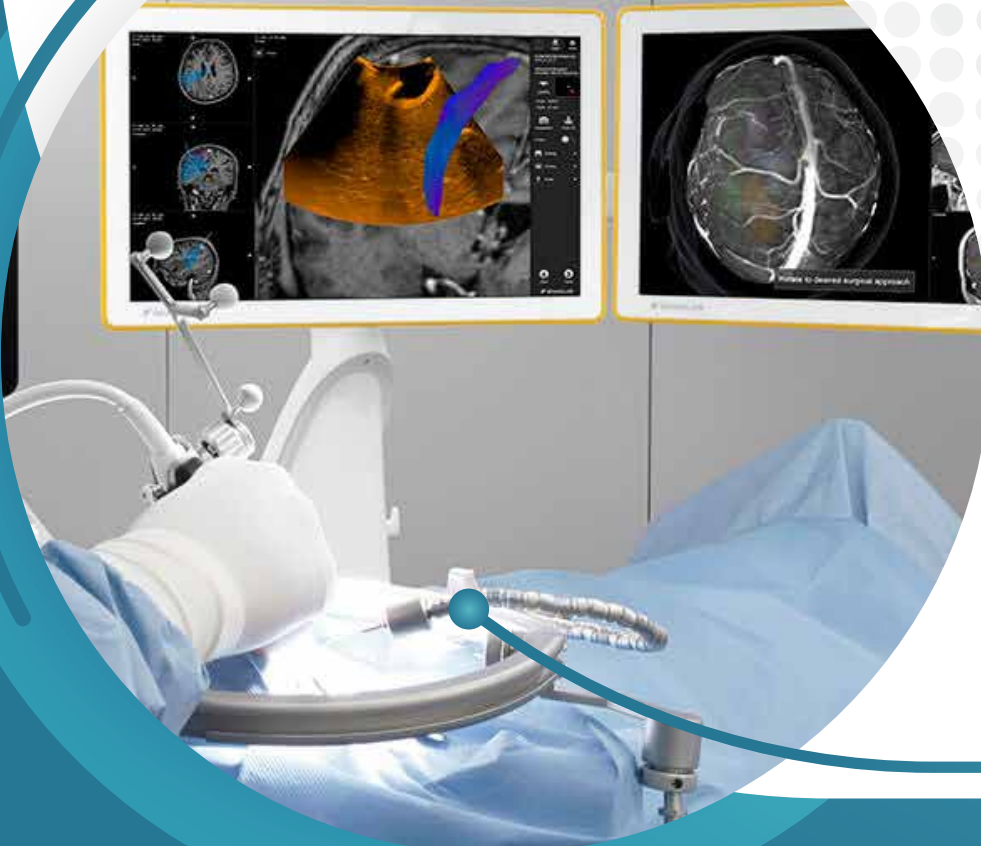
30TH SOCIETY OF
**NEUROSURGEONS
OF SOUTH AFRICA**
CONGRESS 2022

29 SEPT - 1 OCT 2022

Radisson Hotel & Convention Centre
Johannesburg, O.R. Tambo

Intra-Operative **ULTRASOUND** in Neurosurgery

W O R K S H O P





The Course

INTRA-OPERATIVE IMAGING AS A STRUCTURAL MONITORING TOOL IS FAST BECOMING A MAINSTAY OF NEUROSURGERY, ESPECIALLY IN BRAIN TUMOR SURGERY.

Intra-Operative Ultrasound (IOUS) imaging is gaining tremendous momentum as a preferred intra-operative imaging modality. This pre-congress workshop will be presented by a group of internationally renowned neurosurgeons with vast experience in this technique and will afford attendees the opportunity to learn and practice basic and advanced IOUS techniques.

The workshop will include interactive lectures, a novel simulation platform, and a hands-on training session.

Objectives

- BASIC PRINCIPLES OF ULTRASOUND
- OPTIMISATION OF IMAGE QUALITY FOR IOUS
- ORIENTATION AND INTERPRETATION OF IMAGES
- BASIC IMAGING TECHNIQUES AND CORRELATION WITH MRI
- ADVANCED IMAGING TECHNIQUES – CONTRAST AND ELASTOGRAPHY

Faculty

SUE OLSSON

Sonographer
Director: Sonography Training Solutions

GEIRMUND UNSGARD

Neurosurgeon
Norwegian University of
Science and Technology (NTNU)
Trondheim, Norway

FRANCESCO DI MECO

Neurosurgeon
Fondazione I.R.C.C.S.
Istituto Neurologico Carlo Besta
Milan, Italy

ALIASGAR MOIYADI

Neurosurgeon
Tata Memorial Centre
Bombai, India



LLEWELLYN PADAYACHY

Neurosurgeon
University of Pretoria
Cape Town, South Africa

FRANCESCO PRADA

Neurosurgeon
Focused Ultrasound Foundation
Charlottesville, VA, USA

ALESSANDRO PERIN

Neurosurgeon
Fondazione I.R.C.C.S.
Istituto Neurologico Carlo Besta
Milan, Italy

Programme

8:00 - 8:05

INTRODUCTION TO THE WORKSHOP
Llewellyn Padayachy

8:05 - 8:45

BASIC PRINCIPLES OF ULTRASOUND USE
Sue Ohlsson

9:00 - 9:30

PRACTICAL TIPS AND TRICKS FOR USING IOUS
Aliasgar Moiyadi

9:30 - 10:00

2D ULTRASOUND IN BRAIN TUMOR SURGERY
Francesco Di Meo

10:00 - 10:30

NAVIGATED 3D IOUS IN NEUROSURGERY
Geirmund Unsgard

10:30 - 11:00

TEA BREAK

11:00 - 11:30

CONTRAST ENHANCED ULTRASONOGRAPHY AND ELASTOGRAPHY
Francesco Prada

11:30 - 12:00

**EXPANDED INDICATIONS FOR IOUS: PEDIATRICS,
HYDROCEPHALUS AND CHIARI I** *Llewellyn Padayachy*

12:00 - 12:45

SIMULATION TRAINING IN IOUS
Alessandro Perin

12:45 - 13:00

DISCUSSION

13:00 - 14:00

LUNCH

14:00 - 16:30

HANDS ON SIMULATION STATIONS

**PARTICIPATION IS LIMITED, KINDLY REGISTER
EARLY TO AVOID DISAPPOINTMENT.**

**Secure your
participation now**

