

7th Annual National Conference SNCC 2024

Society of Neurocritical Care



Brain Ultrasound Workshop

Lilavati Hospital & Research Centre

20th Sept, 2024

Address: A-791, Bandra Reclamation Rd, General Arunkumar Vaidya Nagar, Bandra West, Mumbai, Maharashtra 400050

International Lead



Dr Ravi Srinivasan

National Chairperson



Dr Ankur Luthra

Workshop Director



Dr Srinivas Ramanathan



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Brain Ultrasound Workshop

Lilavati Hospital & Research Centre 20th Sept, 2024

Scientific Program Agenda

9 AM ONWARDS

WELCOME ADDRESS AND INTRODUCTION/ COURSE OVERVIEW

Physics of Ultrasonography (Imaging and Doppler)

Review of Cerebrovascular Anatomy

Transcranial Doppler – Waveform Analysis, Derived Indices and Ratios

Transcranial Doppler – Autoregulation and VMR testing

TEA BREAK

TCD – Review of Raised ICP and its management

TCD – Review of SAH/Vasospasm cases

TCD – Brain Death Evaluation

WINDOWS INSONATION - 3 STATIONS

Station 1: Transtemporal, Submandibular, Suboccipital and Orbital

Station 2: Demonstration of CO₂ Reactivity and Autoregulation

Station 3: Calculation of Lindegaard Ratio/ Sviri Ratio/ Sloan Index

LUNCH BREAK

Cranial B-Mode Ultrasonography – Mesencephalic, Diencephalic and Ventricular Planes

Pupillary Assessment and Optic Nerve Sheath Diameter (ONSD)

Assessment of Midline Shift and Hydrocephalus

2 STATIONS

Station 1: ONSD and pupillary Assessment

Station 2: Case Based Scenarios – Calculation of Midline Shift,

Ventricular Assessment and Hydrocephalus

ONLINE BASED FUN QUIZ

Certificate Distribution and Valedictory Function



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