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ACADEMY®



SIMS

SRM INSTITUTES FOR MEDICAL SCIENCE  
CHENNAI



**SIMS Hospital** is a Multi Speciality Hospital in Chennai. As a new-age healthcare provider, SIMS Hospital will continue making a difference in everyone's life and will take the spirit of healthcare excellence well beyond business metrics.



June 25<sup>th</sup> to 29<sup>th</sup>, 2024



Institute of Neurosciences, SIMS Hospitals,  
Vadapalani, Chennai – 600026, India

# Welcome Message:

Welcome to SIMS Hospitals, Chennai – where excellence in neurosurgical care meets innovation and compassion.

Since our establishment in 2014, we've strived to become a prominent center for advanced neurosurgery in South India. Conducting nearly 1000 intricate neurological surgeries annually, we aim to meet the region's demand for specialized care.

Our facilities feature advanced operating rooms equipped with neuro-monitoring, Intra-operative Ultrasound and neuronavigation systems, ensuring precise and safe procedures. Our multidisciplinary team specializes in various neurosurgical sub-specialties, from cerebrovascular to pediatric surgeries, from complex spinal interventions to endoscopic skull base surgeries, along with specialist in auxiliary fields like neuro-anaesthesia, neuropathology, neurophysiology, and neuro-critical care. We believe in fostering institutional practice and sub-specialization development while maintaining academic excellence. We have been actively participating in national and international conferences and are proud to host and organize the 2025 National Skull Base Surgery Conference, which reflects our commitment to professional growth.

Through our Observership program, we strive to mentor the next generation of neurosurgeons, offering valuable insights into our patient-centric approach in Neuro-oncological pathologies. Join us at SIMS Hospitals, it's more than just a learning opportunity; it's a chance for young neurosurgeons to immerse themselves in our work culture, ethics, and patient-centric approach.

## MEMBERS



**Sri. Ravi Pachamuthu**  
Chairman, SIMS Hospitals



**Dr. Suresh Babu**  
Director and Senior Consultant  
Neurosurgeon, SIMS Hospitals



**Dr. Vijay Sankaran,**  
Neurosurgeon, SIMS Hospitals



**Dr. Nishanth Sampath**  
Senior Consultant in Neurophysiology  
and Intraoperative Neuro Monitoring



**Dr. Sunil Kapilavayi**  
Consultant Neurosurgeon,  
SIMS Hospitals



**Dr. Vishwaraj Ratha**  
Neurosurgeon, SIMS Hospitals

# ADVANCED NEURO-ONCOSURGERY – MASTER-CLASS SERIES

The residency program in India educates young neurosurgeons on neurosurgical pathologies within a government setup, emphasizing vicarious responsibility. However, upon completion, they face transition to individual-based responsibility in the real world, often encountering challenges due to this sudden shift in working environment and access to advanced technologies without knowing its intricacies. While international fellowships do offer such exposure but replicating that knowledge into the work culture in Indian health care, is challenging. Thus, such short observership programs are warranted. In an era of evolving technologies, interacting with colleagues at high-volume centers is vital for staying updated and understanding optimal technology utilization. These programs not only enhance surgical skills but also help your managerial abilities in a private healthcare set up.

## **GOAL:**

To provide a unique opportunity for Young Neurosurgeons to experience first-hand knowledge of managing complex Neuro-oncological (cranial and spinal) pathologies in a corporate hospital with special emphasis on good practices and to understand and emulate advanced technologies like- neuronavigation, Intra-op USG and Intra-op Neuromonitoring and Awake Anaesthesia in managing complex neuro-oncosurgical pathologies.

## **Who Will it Benefit the Most:**

Open to only 10 participants worldwide, this program welcomes neurosurgeons with less than 10 years of experience post-qualification, as well as DrNB 6th year students who have passed the national board final exam. With an age limit of under 40 years, we ensure a dynamic and diverse cohort for each session.

Our commitment to education doesn't end with this program; it's a recurring event held every six months. Waitlisted candidates receive priority for subsequent sessions, ensuring equitable access to this invaluable opportunity.

Qualified candidates may gain hands-on experience assisting in surgical cases and navigating state-of-the-art neurosurgical operating rooms.

We have curated this observership keeping in the mind the needs of young neurosurgeons who are either practice alone or in a smaller group. The good practices in Neuro-oncosurgery can be emulated in their daily professional life and can further their careers, bringing benefits to the lives of their patients.

Join us at SIMS Hospitals, where the future of neurosurgery is shaped through collaboration, innovation, and excellence.

## Terms and conditions:

- Food and accommodation expenses will be covered by the Program; however Travel expenses have to be covered by the participants.
- Participants must provide their MCh/ DNB Registration certificate. Observers must be aware that, they will be allowed to take part in surgical procedures during their program only if they fulfil the Hospitals criteria.
- To receive the attendance certificate, participants must fill out the feedback form.
- Registration fee of Rs 2,000/- is mandatory. Selected participants will be intimated along with details of mode of payment.

## What to Expect:

Join us for five days of immersive learning, collaboration and networking, as we embark on a journey to shape the future of neurosurgery together. Here's a glimpse of what awaits you:

## Scientific Program / Agenda

Day 1: 25<sup>th</sup> JUNE 2024

### Time

### Activity

08:00 am - 08:30 am	Welcome and program introduction
08:30 am - 09:00 am	Pre-operative discussion on the day's surgical cases
09:00 am - 09:30 am	Guided tour of our facilities
09:30 am - 04:00 pm	Live Surgical case demonstrations
04:30 pm - 06:00 pm	1. Endonasal Endoscopic surgery for skullbase tumors - Dr. Vishwaraj Ratha 2. Intraventricular Neuroendoscopy - Tips and Tricks - Dr. Vijay Sankaran 3. Neuro Navigation - How to avoid errors - Prof. K. R. Suresh Babu

## Day 2: 26<sup>th</sup> JUNE 2024

Time	Activity
08:00 am - 09:00 am	21st Century Neurosurgery- How Neuropathology is changing Neurosurgical Paradigms - <b>Dr. Partheeban</b>
09:00 am - 09:30 am	Pre-operative discussion on the day's surgical cases
09:30 am - 04:00 pm	Live Surgical case demonstrations
04:30 pm - 06:00 pm	<ol style="list-style-type: none"><li>1. Horizontal Fissure Split technique in CPA lesion - <b>Dr. Sunil Kapilavayi</b></li><li>2. How to effectively use IONM in Vestibular Schwannoma - <b>Dr. Nishanth Sampath and Prof. K. R. Suresh Babu</b></li><li>3. Intra-operative US-When and how to use - <b>Dr. Deiva S</b></li></ol>

## Day 3: 27<sup>th</sup> JUNE 2024

Time	Activity
08:00 am - 08:30 am	Pre-operative discussion on the day's surgical cases
08:30 am - 04:00 pm	Live Surgical case demonstrations
04:30 pm - 06:00 pm	<ol style="list-style-type: none"><li>1. Surgical management of Eloquent region Gliomas - <b>Prof K. R. Suresh Babu</b></li><li>2. Challenges of IONM guided Neurosurgery- Discussion from Other side of the drapes - <b>Dr. Nishanth S and Dr. Senthil Kumar</b></li><li>3. Awake Neurosurgery-Neuroanesthetists view - <b>Dr. Senthil Kumar</b></li></ol>

## Day 4: 28<sup>th</sup> JUNE 2024

Time	Activity
08:00 am - 08:30 am	Pre-operative discussion on the day's surgical cases
08:30 am - 04:00 pm	Live Surgical case demonstrations
04:00 pm - 09:00 pm	"Walk with the Masters" dinner symposium at Hotel Green Park Theme: "When the air hits your Brain" – a symposium focused on complications and their avoidance <ul style="list-style-type: none"><li>• Case based didactic discussions on Complications and Avoidance strategies in Corporate Hospitals</li><li>• One on One interaction and discussions for common logistical issues in Neurosurgery in Corporate Hospitals</li><li>• My worst Case- from the young Neurosurgeons</li><li>• Certification</li></ul>

## Day 5: 29<sup>th</sup> JUNE 2024

Time	Activity
08:00 am - 08:30 am	Pre-operative discussion on the day's surgical cases
08:30 am - 03:00 am	Live Surgical case demonstrations
03:00 am - 04:00 pm	Vote of Thanks and Certificate dispersal

### Support and contact:

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