

INDIAN STROKE ASSOCIATION

# Stroke Summer School 2026

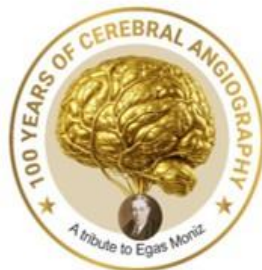
*From Fundamentals to Frontiers in Stroke Care*

**VENUE** Novotel, Imagicaa · Khopoli

**DATES** 14 – 16 August 2026

**AUDIENCE** Students · Residents · Fellows · Junior Consultants

**ORGANISER** Indian Stroke Association (ISA)



## DELEGATE PROGRAMME

125 Delegates · 30 Faculty · 3 Days

# THE PROGRAMME

## At a Glance

An intensive three-day journey through modern stroke care.

### DAY 1

14 Aug  
2026 · Thu

#### Hands-on Workshops

Three parallel streams — Intervention Neurology, Neurosonology, Neurorehabilitation — closing with the Inaugural Ceremony.

### DAY 2

15 Aug  
2026 · Fri

#### Scientific Sessions

Research & AI, Independence-Day flag hoisting, structured debates, recent trials, Presidential Address, prevention and thrombolysis.

### DAY 3

16 Aug  
2026 · Sat

#### Systems, Specialties & Closing

Stroke systems, specialty sessions, closing debate, Grand Final Quiz and the Valedictory Ceremony.

## SESSION FORMATS

<b>Workshops &amp; Hands-on</b>	Case-based practical sessions in small groups
<b>Case-Based Lectures</b>	Teaching through real clinical cases
<b>Debates</b>	Structured pro / con arguments on controversial topics
<b>Recent Trials</b>	Critical appraisal of landmark & new trial data
<b>Hot Topic</b>	Rapid-fire updates on emerging evidence
<b>Poster Presentation</b>	Research poster display & competition (World Stroke Day 2026)
<b>Quiz</b>	Interactive knowledge assessment
<b>Round Tables</b>	Expert-led focused discussion

# DAY ONE · 14 AUGUST 2026

## Hands-on Workshops

Three parallel workshops — Hall A · Hall B · Hall C · 2:00 – 7:00 PM

*EC Meeting 9:30 AM – 12:30 PM | Press Meet 1:00 – 2:00 PM*

**HALL A · WS1 — Intervention Neurology | 2:00 – 7:00 PM**

*Convenors: Dr. Trilochan Srivastava · Dr. Vikram Huded*

TIME	SESSION	FACULTY	FORMAT
2:00 – 2:20 PM	<b>Endovascular Basics: Access, Catheters, Wires &amp; Devices</b> Fundamental tools, access techniques, guide catheters.	Dr. Vikram Bohra	Lecture
2:20 – 2:40 PM	<b>Imaging &amp; Angiographic Anatomy Essentials</b> Cerebrovascular anatomy on DSA and CTA.	Dr. Shripal Shah	Lecture
2:40 – 3:00 PM	<b>Step-by-Step Workflow in EVT</b> Patient selection, team coordination, door-to-puncture optimisation.	Dr. Mukesh Sharma	Lecture
3:00 – 3:20 PM	<b>Troubleshooting in EVT: When Things Don't Go as Planned</b> Device failure, difficult access, no-reflow, rescue strategies.	Dr. Gigy K	Lecture
3:20 – 3:40 PM	<b>Carotid Artery Stenting — Techniques &amp; Pearls</b> ICA stenosis, embolic protection, stent selection.	Dr. Atulabh Vajpee	Lecture
3:40 – 4:00 PM	<b>Intracranial Atherosclerotic Disease &amp; Tandem Occlusions</b> ICAD management, tandem stroke workflow.	Dr. Anand Alurkar	Lecture
4:00 – 4:20 PM	<b>Endovascular Management of Brain Aneurysms</b> Coiling, flow diversion, wide-neck techniques.	Dr. Rakesh Singh	Lecture
4:20 – 4:40 PM	<b>Brain AVMs: Principles &amp; Challenges</b> AVM grading, embolisation principles, combined approaches.	Dr. Trilochan Srivastava	Lecture
4:40 – 5:00 PM	<b>TEA BREAK</b>		
5:00 – 5:20 PM	<b>Dural Arteriovenous Fistula: Diagnosis &amp; Endovascular Approaches</b> dAVF classification, transvenous / transarterial embolisation.	Dr. Vikram Huded	Lecture
5:20 – 7:00 PM	<b>Hands-On: Simulators &amp; Flow Models for EVT, Stenting &amp; Aneurysm Therapy</b> Rotating stations — thrombectomy simulator · carotid stent model · aneurysm coiling model.	All Faculty	Hands-On

TIME	SESSION	FACULTY	FORMAT
2:00 – 2:20 PM	<b>Role of Carotid Duplex — Practical Basics &amp; Stenosis Assessment</b> NASCET criteria, plaque characterisation, clinical decision-making.	Dr. M. Pradeep	Lecture
2:20 – 2:40 PM	<b>Transcranial Doppler Fundamentals: Vessel ID &amp; Normal Waveforms</b> Insonation windows, vessel identification, normal flow velocities.	Dr. Meenakshi Gowrishankar	Lecture
2:40 – 2:50 PM	<b>Questions &amp; Discussion</b>	Faculty Panel	Q&A;
2:50 – 3:10 PM	<b>TCD in Intracranial Vascular Pathology</b> Stenosis, vasospasm, emboli detection, brain-death protocol.	Dr. Amit Kulkarni	Lecture
3:10 – 3:30 PM	<b>Dynamic Applications of Transcranial Doppler</b> Microemboli monitoring, RLS / PFO detection, cerebral autoregulation.	Dr. Arvind Sharma	Lecture
3:30 – 3:40 PM	<b>Questions &amp; Discussion</b>	Faculty Panel	Q&A;
3:40 – 4:10 PM	<b>Latest Advances in Carotid Plaque Imaging</b> Plaque vulnerability markers, NASCET vs ECST; CEA / CAS patient selection.	Dr. Vijay Kumar Sharma	Lecture · Int'l
4:10 – 4:30 PM	<b>Interesting Case Discussion</b> Challenging neurosonology cases with audience participation.	Dr. Komal Kumar	Case
4:30 – 4:40 PM	<b>Questions &amp; Discussion</b>	Faculty Panel	Q&A;
4:40 – 5:00 PM	<b>TEA BREAK</b>		
5:00 – 7:00 PM	<b>Station 1 — TCD Live Demonstration</b> Live demonstration of TCD insonation techniques.	Dr. Vijay Kumar Sharma · Dr. Amit Kulkarni	Hands-On
5:00 – 7:00 PM	<b>Station 2 — Carotid Duplex Live Demonstration</b> Live demonstration of carotid artery scanning.	Dr. M. Pradeep · Dr. Meenakshi Gowrishankar	Hands-On

Part A — Neurorehabilitation in Stroke

2:00 – 4:40 PM

TIME	SESSION	FACULTY	FORMAT
2:00 – 2:20 PM	<b>Early Rehabilitation in Acute Stroke Unit</b> Principles of early mobilisation, stroke unit team, evidence base.	Dr. Pawan Kumar Ojha	Lecture
2:20 – 2:40 PM	<b>Motor Recovery After Stroke</b> Neuroplasticity, constraint-induced movement therapy, FES.	Dr. Monika Singla	Lecture
2:40 – 3:00 PM	<b>Cognitive Rehabilitation After Stroke</b> Attention, memory, executive function interventions.	Dr. Charu Ragvan	Lecture
3:00 – 3:20 PM	<b>Dysphagia, Aphasia &amp; Communication Rehabilitation</b> Bedside swallow assessment, SLT approaches, communication aids.	Dr. Zainab Nagree	Lecture
3:20 – 3:40 PM	<b>Technology in Neurorehabilitation</b> Robotics, virtual reality, exoskeletal devices.	Dr. Guhan Ramamurthy	Lecture
3:40 – 4:00 PM	<b>rTMS in Stroke Recovery</b> Inhibitory vs excitatory protocols, safety, current evidence.	Dr. Saurabh Sultania	Lecture
4:00 – 4:20 PM	<b>Rehabilitation in Perceptual Disorders</b> Neglect, apraxia, visual field deficits — assessment & management.	Dr. Hitav Someshwar	Lecture
4:20 – 4:40 PM	<b>Open Discussion — Q&amp;A; with all faculty</b>	All Faculty	Discussion

## HALL C · WS3 — Post-Stroke Spasticity · Botulinum Toxin (continued)

Convenors: Part B: Dr. Salil Uppal · Dr. Nirmal Surya

### Part B — Post-Stroke Spasticity · Botulinum Toxin

5:00 – 7:00 PM

TIME	SESSION	FACULTY	FORMAT
4:40 – 5:00 PM	<b>TEA BREAK</b>		
5:00 – 5:20 PM	<b>Botulinum Toxin in PSS: Assessment Principles</b> Spasticity scales, timing, goals and patient selection.	Dr. Salil Uppal	Lecture
5:20 – 5:30 PM	<b>Goal Setting in Post-Stroke Spasticity</b> GAS goals, functional vs aesthetic goals, family involvement.	Dr. N. Sampat Kumar	Lecture
5:30 – 5:40 PM	<b>Upper Limb BTxA — Muscle &amp; Dose Selection</b> Flexor synergy pattern, dose tables, dilution protocols.	Dr. Nirmal Surya	Lecture
5:40 – 6:15 PM	<b>Live Injection — Upper Limb</b> EMG / US-guided injection of finger flexors, wrist flexors, biceps.	Faculty	Live Demo
6:15 – 6:25 PM	<b>Lower Limb BTxA — Muscle &amp; Dose Selection</b> Equinovarus pattern, tibialis posterior, gastrocnemius.	Dr. Abhishek Srivastava	Lecture
6:25 – 6:55 PM	<b>Live Injection — Lower Limb</b> US-guided injection of gastrocnemius, tibialis posterior, toe flexors.	Faculty	Live Demo
6:55 – 7:00 PM	<b>Open Discussion — Questions to all faculty</b>	All Faculty	Discussion

## INAUGURAL CEREMONY · ISA SUMMER SCHOOL

**7:00 PM onwards**

All delegates and faculty convene for the formal inaugural ceremony.

# DAY TWO · 15 AUGUST 2026

## Scientific Sessions

Independence Day · Main Hall · 8:00 AM – 7:45 PM

### Research, AI & Hot Topics in Stroke

8:00 – 9:30 AM

TIME	SESSION	FACULTY	FORMAT
8:00 – 8:05 AM	<b>Welcome &amp; Introduction</b> Overview of the session.	Dr. R. L. Narasimhan · Dr. P. N. Sylaja	Intro
8:05 – 8:25 AM	<b>How to Write Your First Grant and Receive Funding</b> Grant writing strategy, funding sources, common pitfalls.	Dr. P. N. Sylaja	Lecture
8:25 – 8:45 AM	<b>Research Design and Methodology</b> Study design, sampling techniques, data collection tools.	Dr. Anand Vaishnav	Lecture
8:45 – 9:05 AM	<b>Scientific Writing for Publication</b> Manuscript writing from concept to submission.	Dr. Rohit Bhatia	Lecture
9:05 – 9:25 AM	<b>Artificial Intelligence in Research</b> AI tools for literature review, data analysis and research efficiency.	Dr. R. L. Narasimhan	Lecture
9:25 – 9:30 AM	<b>Open Q&amp;A; / Discussion</b>	All Panel	Discussion

**Flag Hoisting Ceremony + Tea Break | 9:30 – 10:00 AM**  
ISA President Dr. Vikram Huded hoists the national flag (Independence Day)

### Debates

10:00 – 11:00 AM

TIME	SESSION	FACULTY	FORMAT
10:00 – 10:30 AM	<b>Debate 1 — Blood Pressure Targets in Acute ICH</b> Aggressive <140 mmHg vs Conservative <180 mmHg. INTERACT2 vs ATACH-2.	Dr. Salil Uppal vs Dr. V. G. Pradeep Kumar	Debate
10:30 – 11:00 AM	<b>Debate 2 — EVT in Mild Stroke with LVO (Low NIHSS, M1)</b> Pro-EVT vs Conservative (DAPT / thrombolysis sufficient; procedural risk outweighs benefit).	Dr. Trilochan Srivastava vs Dr. Monika Singla	Debate

### Recent Trials

11:00 AM – 12:00 PM

TIME	SESSION	FACULTY	FORMAT
11:00 – 11:15 AM	<b>CHOICE 2 Trial</b> Key findings and clinical implications.	Dr. M. V. Padma Srivastava	Trial Review
11:15 – 11:30 AM	<b>CRASH 2 Trial</b> Key findings and clinical implications.	Dr. Deepak Arjundas	Trial Review
11:30 – 11:45 AM	<b>OCEANIC-Stroke &amp; LIBREXIA-Stroke Trials</b> Key findings and clinical implications.	Dr. Dheeraj Khurana	Trial Review
11:45 – 12:00 PM	<b>Ultra-Early DOAC Initiation After Ischaemic Stroke (OPTIMAS)</b> When to start DOACs post-stroke; results and implications.	Dr. Anand Vaishnav	Trial Review

## Presidential Address — Endovascular Revolution in Neurology

Dr. Vikram Huded, ISA President · Historical perspective, current state and future directions.

12:00 – 12:20 PM

## Debates

12:20 – 1:20 PM

TIME	SESSION	FACULTY	FORMAT
12:20 – 12:50 PM	<b>Debate 3 — Early vs Late Anticoagulation After Cardioembolic Stroke</b> Early (Days 1–4; ELAN) vs Delayed (Days 7–14; avoids haemorrhagic transformation).	Dr. Vinit Suri vs Dr. Vijay Sharma	Debate
12:50 – 1:20 PM	<b>Debate 4 — AI vs Human Clinical Judgment in Extended-Window Stroke</b> Pro-AI (RapidAI / Viz.ai) vs Pro-Human (AI mis-estimates core from artefacts).	Dr. R. L. Narasimhan vs Dr. Subhash Kaul	Debate

## LUNCH | 1:20 – 2:15 PM

## Basics & Primary Prevention

2:15 – 3:30 PM

TIME	SESSION	FACULTY	FORMAT
2:15 – 2:30 PM	<b>Acute Stroke Workflow</b> Pre-hospital to door, imaging, decision algorithm.	Dr. Nasli Ichapooria	Lecture
2:30 – 2:45 PM	<b>NIHSS Interpretation</b> Scoring, pitfalls, bedside application.	Dr. Amit Kulkarni	Lecture
2:45 – 3:00 PM	<b>Beyond Standard Statins: GLP-1s in Primary Stroke Prevention</b>	Dr. Girish Kulkarni	Lecture
3:00 – 3:15 PM	<b>Lowering Lipids, Lowering Risk: Modern Primary Prevention</b>	Dr. Sudhir Kothari	Lecture
3:15 – 3:30 PM	<b>Oral Health Matters: Dental Care as Stroke Risk Reduction</b> ERIC Study.	Dr. Muthukumar P	Lecture

## Secondary Prevention

3:30 – 4:40 PM

TIME	SESSION	FACULTY	FORMAT
3:30 – 3:50 PM	<b>Targeting Neuroinflammation: From Colchicine to IL-6 Inhibitors</b>	Dr. Dheeraj Khurana	Lecture
3:50 – 4:10 PM	<b>Long-Term Vagus Nerve Stimulation in Post-Stroke Rehabilitation</b> Beyond recovery windows.	Dr. Pawan Kumar Ojha	Lecture
4:10 – 4:25 PM	<b>Posterior Circulation Stroke</b> Vertebrobasilar territory, clinical patterns & management.	Dr. P. N. Sylaja	Lecture
4:25 – 4:40 PM	<b>TIA in 2026: From Warning Sign to Prevention Emergency</b>	Dr. Shirish Madhav Hastak	Lecture

## IVT &amp; Thrombolysis

5:00 – 6:00 PM

TIME	SESSION	FACULTY	FORMAT
5:00 – 5:20 PM	<b>Assessment of Acute Stroke with Selection of Imaging</b> Clinical exam, NIHSS, CT / CTA / MRI selection; IVT vs EVT algorithm.	Dr. Shirish Madhav Hastak	Lecture
5:20 – 5:40 PM	<b>Intravenous Thrombolysis Within or Outside Window</b> Alteplase 0.9 mg/kg, tenecteplase, extended-window evidence (WAKE-UP, ECASS4).	Dr. M. V. Padma Srivastava	Lecture
5:40 – 6:00 PM	<b>Medical Management Including BP Control Around Thrombolysis</b> BP targets (<185/110 pre-lysis); reversal agents; haemorrhagic transformation.	Dr. Subhash Kaul	Lecture

## LVO · MVO · SVD + Neuroimaging

6:00 – 7:15 PM

TIME	SESSION	FACULTY	FORMAT
6:00 – 6:15 PM	<b>LVO Stroke in 2026: Expanding the Boundaries of EVT</b>	Dr. Anand Alurkar	Lecture
6:15 – 6:30 PM	<b>MVO Stroke in 2026: Expanding the Boundaries of EVT</b>	Dr. Mukesh Sharma	Lecture
6:30 – 6:45 PM	<b>Large Core Thrombectomy</b>	Dr. Rakesh Singh	Lecture
6:45 – 7:15 PM	<b>Neuroimaging in Stroke: Case-Based</b> 30-minute lecture with live cases.	Dr. Sunila Jaggi	Case-Based

## Pre-Dinner Side Talk — Investment &amp; Return for Young Neurologists

7:15 – 7:45 PM

An informal session by the Anand Rathi team.

# DAY THREE · 16 AUGUST 2026

## Systems, Specialties & Closing

Main Hall · 8:00 AM – 2:00 PM

### Updates & Stroke Systems

8:00 – 9:30 AM

TIME	SESSION	FACULTY	FORMAT
8:00 – 8:20 AM	<b>Tenecteplase and the Future of Thrombolytics</b> TNKase trial data, practical implications for routine practice.	Dr. Deepak Arjundas	Lecture
8:20 – 8:40 AM	<b>New Frontiers in Haemorrhagic Stroke</b> Haematoma expansion prediction, reversal agents, surgical advances.	Dr. Vinit Suri	Lecture
8:40 – 9:00 AM	<b>Stroke Units</b> Organisation, evidence base for stroke unit care, implementation.	Dr. Vijaya P	Lecture
9:00 – 9:20 AM	<b>Stroke Centres and Accreditations</b> Primary vs comprehensive centres; national & international certification.	Dr. Arvind Sharma	Lecture
9:20 – 9:30 AM	<b>Open Questions &amp; Discussion</b>	All Faculty	Discussion

### Specialty Session

9:30 – 11:50 AM

TIME	SESSION	FACULTY	FORMAT
9:30 – 9:50 AM	<b>Immune Stroke Spectrum</b> Autoimmune vasculitis, CNS vasculitis, mimics.	Dr. Jayanta Roy	Lecture
9:50 – 10:10 AM	<b>Post-Stroke Seizure</b> Epidemiology, prophylaxis, management.	Dr. Sangeeta Ravat	Lecture
10:10 – 10:30 AM	<b>Paediatric Stroke</b> Aetiology, presentation, management in children.	Dr. K. P. Vinayan	Lecture
10:30 – 10:50 AM	<b>TEA BREAK</b>		
10:50 – 11:10 AM	<b>Wake-Up &amp; Lacunar Syndromes and Sleep Relationship</b> Clinical patterns, imaging, sleep–stroke link.	Dr. Joy Desai	Lecture
11:10 – 11:30 AM	<b>Young Stroke</b> Aetiology in young adults, rare causes, genetic workup.	Dr. Ashok Uppal	Lecture
11:30 – 11:50 AM	<b>Artificial Intelligence in Stroke Rehabilitation</b> AI-driven rehab platforms, wearable technology, outcome prediction.	Dr. Nirmal Surya	Lecture

TIME	SESSION	FACULTY	FORMAT
11:50 AM – 12:20 PM	<b>Asymptomatic Carotid Stenosis after CREST-2</b> Pro-intervention (CAS / CEA durable protection) vs Best Medical Therapy (BMT non-inferior; procedural risk unjustified).	Dr. Shripal Shah vs Dr. Jayanta Roy	Debate

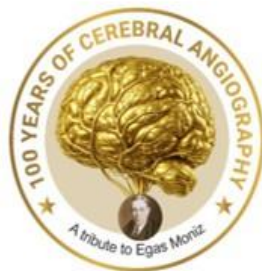
**Grand Final Quiz | 12:20 – 1:30 PM**

Team-based quiz — multiple rounds, clinical cases, rapid-fire. Quiz Masters: Dr. Pradyumna Oak · Dr. Girish Soni.

**VALEDICTORY CEREMONY | 1:30 – 2:00 PM**

Awards · Best Poster Prize · Vote of Thanks · Closing Remarks

*Presented by the ISA EC · Thank you for joining us.*



**Dr. Vikram Huded**  
President, ISA



**Dr. Arvind Sharma**  
Secretary, ISA



**Dr. Nirmal Surya**  
Organising Chairman,  
ISA Stroke Summer School 2026