



# QUICK GUIDE TO SCIENTIFIC PROGRAM

ISA WORLD SIVA CONGRESS 2025

## Pre- conference workshops (25<sup>th</sup> July 2025, 8:00 AM to 1:30 PM)

### **TIVA and the airway**

Venue: *Homi Bhabha Cancer Hospital and Research Centre, Mullanpur, New Chandigarh, Mohali, Punjab*

### **TIVA/TCI in tiny tots**

Venue: *Crystal Hall, Ground floor, The Lalit, Chandigarh*

### **Hemodynamics in TIVA/TCI: Tools and strategies**

Venue: *Convention Hall, First Floor, The Lalit, Chandigarh*

### **Monitoring TIVA; EEG and Brain State; MEP & SSEP**

Venue: *Seminar Hall, Second Floor, The Lalit, Chandigarh*

### **Propofol TCI in NORA/procedural sedation**

Venue: *Quorum Hall, Second Floor, The Lalit, Chandigarh*

### **TIVA/TCI in Obstetrics**

Venue: *Crystal Hall, Ground floor, The Lalit, Chandigarh*



# ISA WORLD SIVA CONGRESS 2025

PRE-CONFERENCE WORKSHOP

## TIVA and the airway – a practical approach

Venue: Homi Bhabha Cancer Hospital and Research Centre (Tata Memorial Center)  
MULLANPUR, NEW CHANDIGARH, DIST. MOHALI, PUNJAB

Date : 25<sup>th</sup> July 2025

<b>08:00 - 8:30</b>			<b>Registration &amp; Pre-test &amp; Introduction</b>		
<b>Time</b>	<b>Topic</b>	<b>Speaker</b>			
08:30 – 08:45	TIVA- Understanding the basics	Dr Manish Gupta			
08:45 - 09:00	PK PD models -Eleveld, Schnider, Marsh, Minto, Hannivort Model	Dr Sahil Garg			
09:00 - 09:15	Intubation using flexible bronchoscope in anticipated difficult airway- awake vs asleep	Prof. Sheila Myatra			
09:15 - 09:45	<b>Case based discussion</b> <ul style="list-style-type: none"> <li>• TIVA for thyroid surgery</li> <li>• TIVA for EBUS</li> <li>• TIVA in head and neck cases (apnoeic oxygenation /spontaneous breathing)</li> </ul>	Dr Manish Gupta Dr Sandip Kapadiya Dr Karan Singla			
<b>09:45 - 10:30</b>			<b>Breakfast</b>		
<b>Practical skill stations 10:30 – 11:30</b>					
<b>Station</b>	<b>Topic</b>	<b>Faculty</b>			
Station I	Setting up TCI pumps. Mannequin based TIVA induction + maintenance	Dr Manish Gupta/Dr Banashree/ Dr Karan			
Station II	BIS/Entropy simulation plus titration	Dr Sahil Garg/ Dr Sandip Kapadiya/Dr Nimish			
Station III	Algorithmic approach to complete ventilation failure	Prof Sheila Myatra/ Dr Sahil Subodh/Dr Jagdeep			
Station IV	Surgical airway; Emergency cricothyrotomy on goat necks	Dr Harsimran/Dr Priyanka Sethi/ Dr Sofia			
12:40 – 13:00	Post-test, Q & A				

Practical Skills Stations Rotation Schedule				
Time	Group A	Group B	Group C	Group D
10:30 – 11:00	Station I	Station II	Station III	Station IV
11:00 – 11:30	Station II	Station III	Station IV	Station I
11:30 – 12:00	Station III	Station IV	Station I	Station II
12:00 – 12:30	Station IV	Station I	Station II	Station III

**LUNCH followed by transport to The Lalit, Chandigarh**



# ISA WORLD SIVA CONGRESS 2025

PRE-CONFERENCE WORKSHOP

## Propofol-Remifentanil TIVA/TCI in obstetric anaesthesia

Venue: Crystal Hall, *The Salit, Chandigarh*

Date : 25<sup>th</sup> July 2025

08:00 - 8:30 Registration & Pre-test		
Time	Topic	Speaker
08:30 – 08:40	Introduction and learning objectives	Dr Indrani Hemantkumar/ Dr Anju Grewal/ Dr Sanjeev Palta
08:40 – 09:00	Principles of propofol pharmacology in obstetrics (indications, pharmacokinetics, pharmacodynamics and models)	Dr Komal Gandhi
09:00 – 09:20	Principles of remifentanil pharmacology in obstetrics (indications, pharmacokinetics, pharmacodynamics and models)	Dr Sekar Loganathan
09:20 – 09:40	Practical considerations for setting up TIVA/TCI in an obstetric patient (including safety features and checklists)	Dr Vighnesh Ashok
09:40 – 10:10 Breakfast		
10:10 – 10:30	Current evidence, controversies and lacunae in obstetric TIVA/ TCI	Dr Jaya Lalwani
Practical skill stations 10:30 – 12:30		
Station	Topic	Faculty
Station I	Drug calculations, setting up pumps, safety features and pre-use checks	Dr Komal Gandhi/ Dr Sumit Bansal/Dr Vighnesh
Station II	Choosing and setting up the right pharmacokinetic models	Dr Jaya Lalwani/Dr Suraj Kumar/ Dr Venkat Ganesh
Station III	Depth of anaesthesia monitoring/intraoperative awareness	Dr Balbir Kumar/ Dr Bismanjeet
Station IV	Scenarios and crisis management <ul style="list-style-type: none"> <li>• Remifentanil PCA for labour analgesia</li> <li>• TIVA/TCI for LSCS (category 2)</li> <li>• Acute intraoperative haemodynamic instability (PPH)</li> </ul>	Dr Sekar/ Dr Ashish Singh Aditya/ Dr Savinder Sethi
12:30 – 13:00	Post-test, Q & A	Dr Indrani Hemantkumar/ Dr Anju Grewal Dr Sanjeev Palta

Practical Skills Stations Rotation Schedule				
Time	Group A	Group B	Group C	Group D
10:30 – 11:00	Station I	Station II	Station III	Station IV
11:00 – 11:30	Station II	Station III	Station IV	Station I
11:30 – 12:00	Station III	Station IV	Station I	Station II
12:00 – 12:30	Station IV	Station I	Station II	Station III

**LUNCH (Workshop delegates & faculty)**



# ISA WORLD SIVA CONGRESS 2025

PRE-CONFERENCE WORKSHOP

**TIVA/TCI in tiny tots**

Venue: *Crystal Hall, The Salit, Chandigarh*

Date : 25<sup>th</sup> July 2025

08:00 - 8:30 Registration & Pre-test (Dr Aakriti/Dr Sunaakshi)		
Time	Topic	Speaker
08:30 – 08:35	Introduction to Workshop	Dr Shishir Chandrashekhar/ Dr Preethy Mathews
08:35 - 08:55	Why should I use TCI-TIVA in my pediatric practice?	Dr Shishir Chandrashekhar
08:55 – 09:25	Pediatric vs adult PK/PD; three compartment modeling made easy	Dr Preethy Mathew
09:25 – 09:45	Nuts and bolts- Which model should I use for Propofol?	Dr Shishir Chandrashekhar
09:45 – 10:00	Remifentanyl in TCI-TIVA- a game changer?	Dr Anju Gupta
<b>10:00 - 10:30 Breakfast</b>		
<b>Hands on skill stations 10:30 – 11:30 (3 stations in 3 divided groups)</b>		
Station	Topic	Faculty
Station I (20 minutes)	Setting up pediatric TCI/TIVA	Dr Archana Koul/ Dr Deepanjali
Station II (20 minutes)	Simultaneous running of manual, plasma and effect site regimens to demonstrate PK differences	Dr Shishir Chandrashekhar/ Dr Shefali/ Dr Aakriti
Station III (20 minutes)	IV cannulation technique – Vein finder, US guided	Dr Anju Gupta/Dr Ridhima Sharma/ Dr Parul Jindal
Time	Topic	Speaker
11:30-11:50	Depth of anaesthesia monitoring- What is available and How to go about it	Dr Vivek Rayadurg
<b>Problem Based Learning Discussion (PBLD) 11:50-12:20</b>		
<b>2 PBLD in 2 divided groups; participants remain in their seats but faculty swap to the other group</b>		
PBLD 1(15 minutes)	Suspected Duchenne muscular dystrophy	Dr Anjolie/Dr Sunaakshi
PBLD 2(15 minutes)	Infant for meningomyelocele with neuromonitoring	Dr Aakriti/Dr Shefali
12:20 - 13:00	Video demonstration of case scenarios	Dr Anjolie/Dr Sunaakshi/ Dr Aakriti/Dr Shefali
<b>POST TEST</b>		
<b>Dr Aakriti/ Dr Sunaakshi</b>		

## Hands-on skill stations 10:30 – 11:30

Faculty remain in the station and participants move from the station

Time	Group A	Group B	Group C
10:30 – 10:50	Station I	Station II	Station III
10:50 – 11:10	Station II	Station III	Station I
11:10 – 11:30	Station III	Station IV	Station I
<b>Problem Based Learning Discussion (PBLD) 11:50-12:20</b>			
11:50-12:05	PBLD 1		PBLD 2
12:05-12:20	PBLD 2		PBLD 1

## LUNCH (Workshop delegates & faculty)



# ISA WORLD SIVA CONGRESS 2025

PRE-CONFERENCE WORKSHOP

## Hemodynamic monitoring during intravenous anesthesia: Tools and strategies

Venue: Convention Hall, *The Salit, Chandigarh*

Date : 25<sup>th</sup> July 2025

08:00 - 8:30 Registration & Pre-test & Introduction		
Time	Topic	Speaker
08:30 – 08:50	Basics of TIVA -Pharmacokinetics, BET principle, Pharmacology	Dr Shivakumar MC
08:50 – 09:20	PK PD models -Eleveld, Schnider, Marsh, Minto, Hannivort Model	Dr Subramanyam M
09:20 – 09:40	Advanced hemodynamic monitoring platforms. What is available? How to choose?	Dr Bhupesh Kumar
Case based scenarios (10 minutes lightening talks)	<b>Moderators:</b> Dr Subramanyam M, Dr Shivakumar MC	
9:40-9:50	TCI/TIVA in Transplant	Dr Ananya Ray
9:50-10:00	TIVA in frail patients	Dr Deepika Gupta
10:00-10:10	TIVA in cardiac surgeries	Dr Anita Chouhan
10:10 - 10:30 Breakfast		
<b>10:30 - 11:15 “Simulation Case Discussion: TIVA and Hemodynamic” Dr Suraphong Lorsomradee</b>		
Learning objective:		
1. Understand noninvasive hemodynamic monitoring. moderate to high risk surgery		3. Tips and tricks for hemodynamic management in
2. Understand TIVA as a tool for hemodynamic optimization balanced anesthesia with TIVA-TCI		4. Integration of cerebral and hemodynamic guided
Practical skill stations 11:15 – 12:30		
Station	Topic	Faculty
Station I	Setting up TCI/TIVA Depth of anaesthesia monitoring	Dr Kalpana Shah Dr Deepika Gupta Dr Ananya Ray
Station II	TIVA Trainer/Simulation	Dr Shivakumar MC Dr Vijay Lakshmi
Station III	Hemodynamic monitoring In built safety controls in CLADS	Dr Bhupesh Dr Swati Jindal Dr Jijo Francis
Station IV	Maintaining TCI TIVA in hemodynamically compromised patients	Dr Subramanyam M Dr Anita Chouhan
12:55 – 01:15	Post-test, Q & A	

Practical Skills Stations Rotation Schedule				
Time	Group A	Group B	Group C	Group D
11:15– 11:40	Station I	Station II	Station III	Station IV
11:40 – 12:05	Station II	Station III	Station IV	Station I
12:05 – 12:30	Station III	Station IV	Station I	Station II
12:30 – 12:55	Station IV	Station I	Station II	Station III

LUNCH



PRE-CONFERENCE WORKSHOP

**Monitoring TIVA; EEG and Brain State; MEP & SSEP**

Venue: Seminar Hall, *The Salit, Chandigarh*

Date : 25<sup>th</sup> July 2025

<b>08:00 - 8:30</b>			<b>Registration &amp; Pre-test &amp; Introduction</b>		
<b>Time</b>	<b>Topic</b>	<b>Speaker</b>			
08:30 – 08:50	TIVA- understanding the basics	Dr Unmesh Bedekar			
08:50 – 09:10	Tips and tricks of setting up different models of TIVA/TCI pump	Dr. Rajasekar R			
09:10 – 09:30	EEG and EEG Based monitor	Dr. Vishwanath S Bhaire			
09:30 – 09:50	TIVA in neurosurgery	Dr. Amiya Kumar Barik			
<b>09:50 - 10:20</b>			<b>Breakfast</b>		
<b>Practical skill stations 10:20 – 11:30</b>					
<b>Station</b>	<b>Topic</b>	<b>Faculty</b>			
Station I	Setting up TCI/CLADS	Dr. Joseph Monteiro Dr. Rajasekar R Dr Rajarajan			
Station II	BIS/Entropy/CONOX/PSI	Dr Satoshi Hagihira Dr. Manisha Katikar Dr. Shiv Lal Soni			
Station III	EEG	Dr. Prasanna Bidkar Dr Chamanjot kaur Dr. Kiran Jangra Dr. Amiya Kumar Barik			
Station IV	Case Based Management: IONM Case Based Management: TOF guided management of neuromuscular blockade	Dr. Vishwanathan Dr. Unmesh Dr Navneh Samagh			
12:40 – 13:00	Post-test, Q & A				

<b>Practical Skills Stations Rotation Schedule</b>				
<b>Time</b>	<b>Group A</b>	<b>Group B</b>	<b>Group C</b>	<b>Group D</b>
10:20 – 10:55	Station I	Station II	Station III	Station IV
10:50 – 11:30	Station II	Station III	Station IV	Station I
11:30 – 12:05	Station III	Station IV	Station I	Station II
12:05 – 12:40	Station IV	Station I	Station II	Station III

**LUNCH**



**ISA WORLD SIVA CONGRESS 2025**

PRE-CONFERENCE WORKSHOP

# Propofol-Remifentanil TIVA/TCI in NORA; Procedural Sedation

Venue: Quorum I, *The Salit*, Chandigarh

Date : 25<sup>th</sup> July 2025

08:00 - 8:30 Registration & Pre-test		
Time	Topic	Speaker
08:30 – 08:40	Introduction and learning objectives	Dr Manoj Kamal/ Dr Vikas Saini/Dr Richa Saroa
08:40 – 09:00	Basics of TIVA -Pharmacokinetics, BET principle, Pharmacology	Dr Nishant Sahay
09:00 – 09:20	PK PD models -Elefeld, Schnider, Marsh, Minto, Hannivort Model	Dr Nishant Kumar
09:20 – 09:40	Safety in Non-Operating Room Anaesthesia in Low-and Middle-Income Countries: Challenges and Opportunities	Dr Avneet
09:40 – 10:10 Breakfast		
10:10 – 11:40 Practical skill stations		
Station	Topic	Faculty
Station I	Setting up TCI/TIVA; choosing the right pharmacokinetic models and pre-use checks	Dr Nishant Sahay/ Dr Avneet/ Dr Naveen Naik
Station II	Depth of anaesthesia monitoring and CLADS	Dr Manoj Kamal/ Dr Varun Mahajan/ Dr Bharat
Station III	TIVA trainer/TIVA Simulator	Dr Nishant Kumar/Dr Apoorwa N Kothari/ Dr Ajay Singh
11:40-12:40 Interactive case-based discussions on use of intravenous anaesthesia		
11:40-11:55	Pediatric MRI	Dr Ankita Bhasin
11: 55-12:10	ERCP	Dr Varun Mahajan
12:10- 12:25	Cardiac cath labs	Dr Avneet Singh
12:25-12:40	Neuro DSA	Dr Nitasha Mishra
12:40 – 13:00	Post-test, Q & A	Dr Manoj Kamal/ Dr Vikas Saini/Dr Richa Saroa

Practical Skills Stations Rotation Schedule				
Time	Group A	Group B	Group C	Group D
10:10 – 10:40	Station I	Station II	Station III	Station IV
10:40 – 11:10	Station II	Station III	Station IV	Station I
11:10 – 11:40	Station III	Station IV	Station I	Station II

LUNCH

**CONFERENCE STARTS AT 3:00 PM SHARP**



# ISA World siva congress 2025

**VENUE: THE LALIT, CHANDIGARH**

**(25th-27th July, 2025)**

## **Address of Venue**

The Lalit Chandigarh, IT Park Rd, Sector 13, Chandigarh,  
Sukteri, Chandigarh 160101

*Getting ready for ISA WORLD SIVA CONGRESS 2025.....*

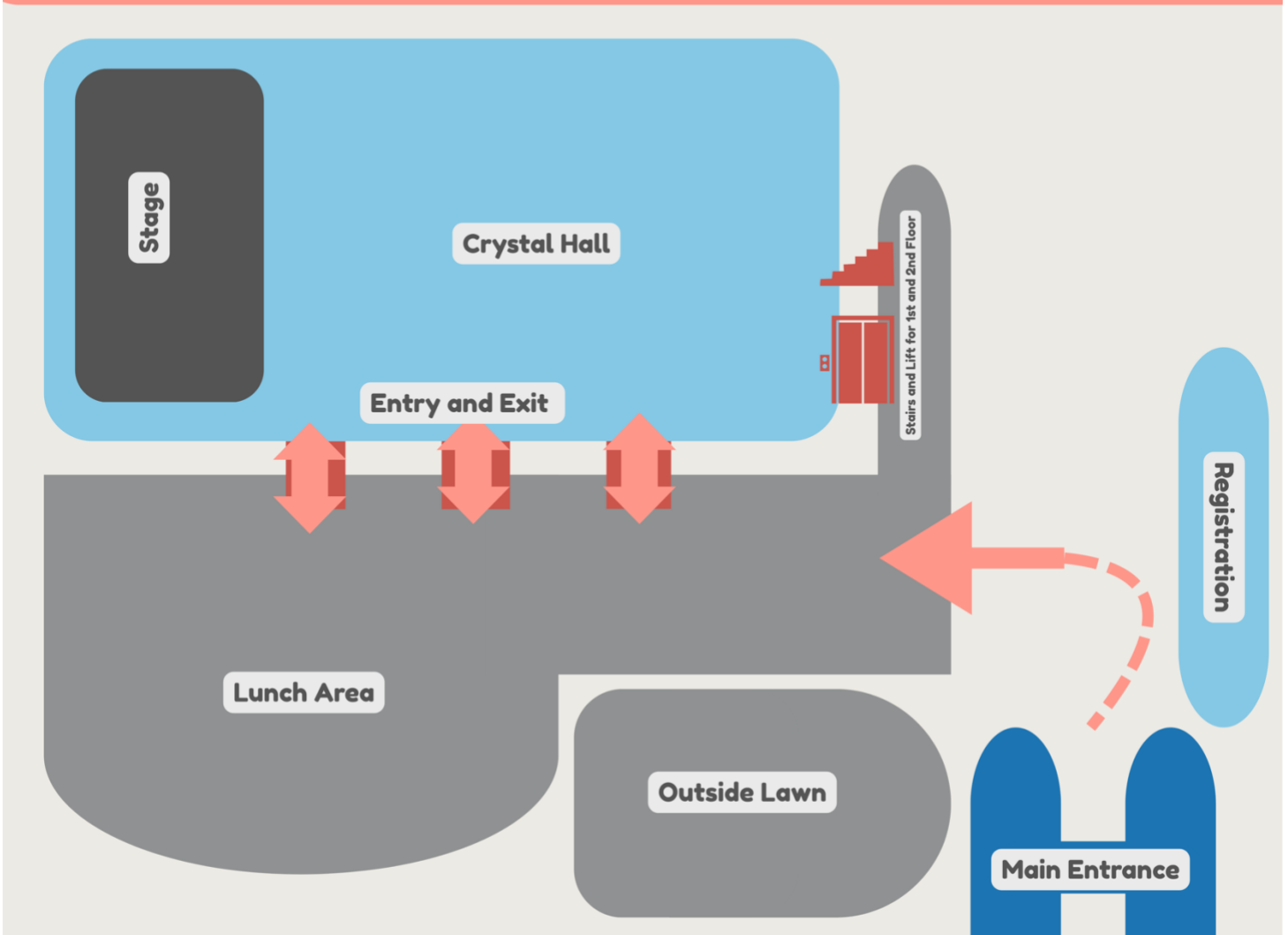
**Registration/Attendance/CME points:** All delegates and faculty are requested to collect their QR-coded badges from the registration desk, which will be open from 8:00 AM to 8:30 AM on 25<sup>th</sup> July 2025 for delegates attending the workshop and conference, and from 2:30 PM onwards for those registered only for the conference

- Entry to the venue is only permissible if badges are worn
- Badges will be scanned during breakfast, lunch, and dinner hours. So, kindly always carry them
- CME hours will be credited based on attendance at the conference.
- Attendance needs to be marked separately for pre- and post-lunch sessions. The Registration desk will inform you further about it
- Please keep your mobiles on silent mode in the venue
- Certificates will be handed over only on 27<sup>th</sup> July 2025. Timing will be updated later.

Exhibition opening hours are

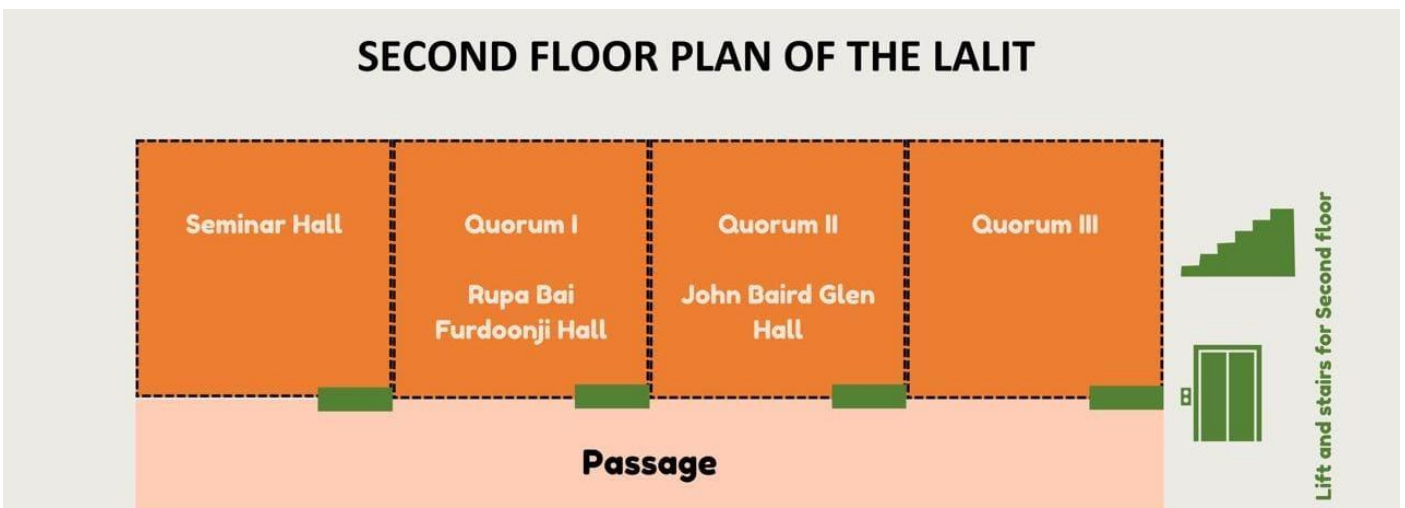
- 3:00-6:00 PM on 25<sup>th</sup> July
- 10:00 AM- 6:00 PM on 26<sup>th</sup> July
- 10:00 AM- 12 noon on 27<sup>th</sup> July

# Layout Plan at The Lalit



The scientific sessions at the conference will be held concurrently in *Crystal Hall*, *Convention Hall*, *Seminar Hall*, and three adjoining halls labelled as Quorum I, II and III. Crystal Hall is located on the ground floor, Convention Hall is located on the first floor, and the remaining four halls are on the second floor.

## SECOND FLOOR PLAN OF THE LALIT



# Time of start of session in each hall

25<sup>th</sup> July 2025

Proceedings will begin at sharp 3:00 PM in the Crystal Hall. All are thus requested to get seated in the said hall with mobiles on silent mode. Subsequent sessions in other halls will begin as shared below and also as depicted in the Programme Schedule.

3 PM

7 PM

*Crystal Hall (scientific proceedings)*

**3:30 PM** *Convention Hall (scientific proceedings)*

**4 PM** *Seminar Hall & Quorum I,II and III  
( Oral presentations )*

26<sup>th</sup> July 2025



**8:00- 9:00 AM Breakfast session in Crystal Hall**  
**PBLD: Cardiac patient for non-cardiac surgery**  
 Prof GD Puri, Dr. Rajarajan Ganesan, Dr Ashish Aditya

9:00AM

6:30 PM

*Crystal Hall (scientific proceedings)*

*Convention Hall (scientific proceedings)*

**9:30 AM** *Seminar Hall & Quorum I,II and III ( Oral presentations )*

27<sup>th</sup> July 2025

**8:00- 9:00 AM Breakfast session in Crystal Hall**

**PBLD: Acute intraoperative brain bulge**

Prof Sanjeev Palta, Dr. Ashwini Reddy, Dr Amiya kumar Barik



9:00AM to 1:00 PM

*Crystal Hall (scientific proceedings)*

**9:30 AM** *Seminar Hall & Quorum I,II and III  
(Scientific proceedings)*

## Overview of scientific sessions

### Keynote Lectures

Monitoring hemodynamic stability with TIVA/TCI	Dr Suraphong Lorsomrade Crystal Hall, 25 <sup>th</sup> July; 18:00
TIVA: The road traversed and what's ahead	Dr GD Puri Crystal Hall, 26 <sup>th</sup> July; 09:00
Remimazolam anaesthesia: Representative profiling and induction into clinical anaesthesiology	Dr Satoshi Hagihira Crystal Hall, 26 <sup>th</sup> July; 10:10
Implications of pharmacogenetics in anaesthesia practice	Dr Quirino Piacevoli Crystal Hall, 26 <sup>th</sup> July; 12:20
Anaesthesia for paediatric liver transplant	Dr Suraphong Lorsomradee Crystal Hall, 26 <sup>th</sup> July; 14:00
Robotic anaesthesia: a vision for 2050	Dr Avinash Sinha Crystal Hall, 27 <sup>th</sup> July; 09:00
AI in Obstetric anaesthesia	Dr Alex Sia tong Heng Crystal Hall, 27 <sup>th</sup> July; 10:00

### Master class: AI in Anaesthesia

Dr Rakesh Garg  
Crystal Hall, 27<sup>th</sup> July

### Pro/Con session

- TIVA is better than Volatile Anesthesia for Cardiac Surgery.
- To use or not to use nitrous oxide
- Preoxygenation with PEEP during anesthesia induction
- Artificial Intelligence in Infection Management in the ICU
- Dexmedetomidine is a better sedative agent than propofol in intensive care unit.

- Crystal Hall, 26<sup>th</sup> July
- Convention Hall, 26<sup>th</sup> July
- Convention Hall, 26<sup>th</sup> July
- Convention Hall, 26<sup>th</sup> July
- Convention Hall, 26<sup>th</sup> July

### Panel discussion

- Ethics in automated anaesthesia
- Too many TIVA models: What do I choose
- TCI in pain management
- Pharmacological reversal agents
- Malignant Hyperthermia.

- Crystal Hall, 25<sup>th</sup> July
- Convention Hall, 25<sup>th</sup> July
- Crystal Hall, 27<sup>th</sup> July
- Seminar Hall, 27<sup>th</sup> July
- Seminar Hall, 27<sup>th</sup> July

<ul style="list-style-type: none"> <li>○ CPET for preoperative evaluation: What does the future hold?</li> </ul>	<ul style="list-style-type: none"> <li>○ Seminar Hall, 27<sup>th</sup> July</li> </ul>
<b>Simulation</b>	
The hemodynamic code- making evidence based hemodynamic decisions	Convention Hall, 25 <sup>th</sup> July
<b>Critical appraisal of 2 best publications on TIVA</b>	Crystal Hall, 26 <sup>th</sup> July
<b>Excel based exercise using propofol PK Data; AUC estimation using trapezoidal rule</b>	Quorum Hall, 27 <sup>th</sup> July
<b>AI &amp; Biomedical devices hub</b>	Exhibition Area, 27 <sup>th</sup> July
<b>Anaesthesia and its environmental impact: approaches to minimize carbon footprint (CF)</b> <ul style="list-style-type: none"> <li>• Metabolic flows</li> <li>• Modern Inhaled anaesthetics- impact in long and short duration surgeries</li> </ul>	Seminar Hall, 27 <sup>th</sup> July

### QUICK GUIDE TO ABSTRACT PRESENTATIONS

Oral Abstract presentations will be on 25<sup>th</sup> and 26<sup>th</sup> July 2025. All presentations are on level 2. A separate information booklet will be shared with the names of presenters and their scheduled time slots. Kindly follow instructions given in the booklet.

Delegates with posters are to report to registration desk on 25<sup>th</sup> July 2025. The poster display area is on level 2. Demonstrations of innovative ideas and Biomedical devices is in exhibition area on the ground floor, near Crystal Hall, on 27<sup>th</sup> July from 11:00 AM onwards. All are encouraged to attend