

# ISA World SIVA Congress 2025

25<sup>th</sup> July 2025, *Crystal Hall, The Lalit*

08:00 - 13:30

## WORKSHOP

13:30 - 14:30

*Lunch*

14:30 - 15:00

*Welcome address*

### Session 1: Starting with the basics

*Chairperson:* Quirino Piaccevoli

### SPEAKERS

15:00 - 15:20 Target-Controlled Infusions: Principles, models and performance metrics

Kenichi Masui

15:20 - 15:40 Devices for intraoperative use for TIVA/TCI

Edgard Simone

### Session 2: Guidelines & best practices

*Chairperson:* G D Puri

15:40 - 16:00 Guidelines for TIVA administration

Medhat Shalabi

16:00 - 16:20 Tips and tricks to optimize TIVA-How I do it

### Session 3 : TIVA & the brain

*Chairperson:* Thomas Hemmerling

16:20 - 16:40 Monitoring depth-of-TIVA: Possessing processed EEG monitors

Suraphong

Lorsomradee

16:40 - 17:00 Closed loop IV anaesthesia and brain monitoring

Kenichi Masui

17:00 – 17:20



### Session 4: Depth of anaesthesia

*Chairperson:*

17:20 - 17:40 Awareness and dreaming during propofol TIVA- Emerging from the quagmire!

Emilija Ivanov

17:40 - 18:00 Is Anaesthetic Depth a Useful Concept in Paediatrics?

Vishwanathan

### Keynote Speaker

*Chairperson:* Ma Daqing

18:00 - 18:20 Monitoring hemodynamic stability with TIVA/TCI

Suraphong Lorsomradee

### Session 5: Panel discussion - Ethics in automated anaesthesia

*Chairperson:* Dr Amitabh Dutta

*Moderator:* Edgard Simone

18:20 - 18:50

Ethics of digital innovations; Implementation in anaesthesia practice  
The justice praxis for disseminating automated TIVA option: Reaching-out  
and driving-in the public stakeholder  
Navigating ethical dilemmas in automated TIVA adoption

Medhat Shalabi

Edgard Simone

Owais Rafiq

19:00

INAUGURATION → CULTURAL PROGRAM → DINNER



26<sup>th</sup> July 2025

**Keynote Speaker**

**Chairperson:** Quirino Piacevoli

08:30 - 08:50

TIVA: The road traversed and what's ahead !

GD Puri

**Session 6: Pharmacology insights**

**Chairperson:** Satoshi Hagihira

**SPEAKERS**

08:50 - 09:10

Basic research on anaesthetic drugs; newer drugs available for TIVA/TCI

Edmund Cheung So

09:10 - 09:30

Neuromuscular blockade-all you need to know in 2025

Bojan Bagi

**Session 7: Advancements in TCI and TIVA**

**Chairperson**

09:30 - 09:50

New pharmacological treatment in pump infusion in chronic pain

Alireza Salimi

09:50 - 10:10

PK/PD models for pediatric patients

Sung-Heon Lee

**Keynote Speaker**

**Chairperson:** Edmund Cheung So

10:10 - 10:30

Remimazolam anaesthesia: Representative profiling and induction into clinical anaesthesiology

Satoshi Hagihira



**Session 8: Adjuvant drugs in propofol TIVA**

**Chairperson:** Raveenthiran Rasiah

11:00 - 11:20

Co-opting dexmedetomidine clinical pharmacology with propofol TIVA: Unwinding the rope

Angel Gomez

11:20 - 11:40

Lignocaine: Neurologic effects during propofol TIVA

Preethy Mathews

**Session 9: Resurfacing of Ketamine**

**Chairperson**

11:40 - 12:00

Re-shrining ketamine into TIVA world: The challenges and benefits

Raveenthiran Rasiah

12:00 - 12:20

Practical uses of ketofol in pediatric cath labs

**Keynote Speaker**

**Chairperson**

12:20 - 12:40

Implications of pharmacogenetics in anaesthesia practice

Quirino Piacevoli

12:40 - 13:30

**Lunch**

**SESSION 10: PRO / CON Session**

**Chairperson:** Satoshi Hagihira

13:30-14:00

Total intravenous anesthesia is better than Volatile Anesthesia for Cardiac Surgery

Suraphong Lorsomradee  
Versus  
Daqing Ma

**Keynote Speaker**

**Chairperson:**

14:00 - 14:20

Anaesthesia for pediatric liver transplant

Suraphong Lorsomradee

**Session 11: TIVA in special surgical populations**

*Chairperson:* Ma Daqing

14:20 - 14:40 Preoperative stress in Infant: how we can reduce it  
14:40 - 15:00 Brain Health: a concern for anaesthesiologists and intensivists

Imran M. Alherz  
Bernd Walter Bottiger

**Session 12: TIVA and anaesthetic outcomes**

*Chairperson*

15:00 - 15:20 Perioperative risk factors and cancer surgery outcomes  
15:20 - 15:40 Induction agents for intubation in trauma triage and effect on outcome

Raveenthiran Rasiah  
Tanvir Samra



**Session 11: TIVA in special patient populations**

*Chairperson:* Quirino Piacevoli

16:00 - 16:20 TIVA in the Elderly: Counting preserved cognition with precision anaesthesia depth  
16:20 - 16:40 Big is beautiful--TIVA in the obese

Medhat Shalabi  
Edgard Simone

**Session 12: TIVA in mother and child**

*Chairperson*

16:40 - 17:00 TIVA in pediatric population: is it feasible?  
17:00 - 17:20 TIVA in general anesthesia for cesarean section  
17:20 - 17:40 Perioperative pain management in children

Owais Rafiq  
Emilija Ivanov  
Imran M. Alherz



**GALA DINNER**

**7 PM**



## 27<sup>th</sup> July 2025

### Keynote Speaker

*Chairperson:* GD Puri

08:30 - 08:50	Robotic anaesthesia: a vision for 2050	Thomas Hemmerling
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### Session 13: Clinical applications of AI

*Chairperson*

08:50 - 09:10	An AI Method in predicting depth and tube size for double lumen endotracheal tube	Dr Edmund Cheung So
09:10 - 09:30	Non linear time series based AI model to predict outcome in cardiac surgery	Rajarajan Ganesan
09:30 - 09:50	Tele ICU	Edgard Simone

**09:50 - 10:10**

**TEA Break**

### Keynote Speaker

*Chairperson:* Edgard Simone

10:10 - 10:30	AI in obstetric anaesthesia	Alex Sia Tong Heng
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### Session 14: Panel discussion - TCI in pain management

*Chairperson*  
*Moderator:* Antonio Clemente

10:30 - 11:10	Principles of palliative care and pain medicine Patient controlled analgesia with TCI Intravenous labor analgesia: the future is here The essential role of TIVA/TCI in enhanced recovery after surgery (ERAS)	Alex Sia Tiong Heng Shalabi Medhat
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### Session 15: Anaesthesia for surgical emergencies—Case based discussions

*Chairperson:*

11:10 - 11:30	The bleeding tonsils
11:30 - 11:50	The ruptured brain aneurysm

### Session 16: Problem based learning

*Chairperson:*

11:50 - 12:10	Perioperative management of patients with sepsis/septic shock
12:10 - 12:30	Perioperative management of patients with heart failure

### Session 17: Debates

*Chairperson:*

12:30 - 12:50	Can strategies of mechanical ventilation help prevent Postoperative Pulmonary Complications (PPCs) during anaesthesia?	Pro Con
12:50 - 01:10	De-mystifying the "Mixifusor". Single syringe versus multiple syringe system	Pro - Single syringe Pro- Multiple syringe

### Session 17: Critical incident reporting

*Chairperson*

01:10 - 01:30	Contamination of Propofol Infusions in the OR and Intensive Care
01:30 - 01:50	Acute and life-threatening remifentanyl overdose resulting from the misuse of a syringe pump