

Academia | 3 to 5 October 2024

Pre-Conference Workshop (1) - Understanding Stroke Care – An Escape Room Adventure!

3 October 2024 (Thursday), 8.30am – 12.00pm

Seminar Room: L1-S1, L1-S4, L2-S1, L2-T2, L2-D1, AC-7-9

Welcome to our inaugural Stroke Interprofessional Escape Room Workshop! This unique learning experience is designed to enhance your understanding of stroke care through interprofessional dynamics and competencies. Participants will be divided into interprofessional education (IPE) groups and will rotate through different escape rooms. Each group will engage in various activities and challenges related to stroke care, aiming to complete tasks and “unlock” the rooms. This half-day workshop offers a valuable opportunity to collaborate with a diverse range of healthcare professionals while deepening your knowledge of stroke care.

Pre-Conference Workshop (2) - Stroke Thrombolysis & EVT Simulation

3 October 2024 (Thursday), 1.30pm – 5.30pm

Seminar Rooms : L1-S1 (45-60pax), L1-S3 (45-60pax), L1-S4 (20-30pax), L2-S1 (16-20pax), L2-S2 (16-20pax)

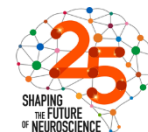
TIME	TOPIC	SPEAKERS
1.00pm – 1.30pm	Registration	
1.30pm – 1.45pm	Introduction and Overview of Stroke in Singapore	Dr Julian Han Senior Consultant, Neuroradiology National Neuroscience Institute, Singapore
1.45pm – 2.15pm	Preoperative Imaging and Patient Selection	Prof Shinichi Yoshimura Department of Neurosurgery Hyogo Medical University, Japan
2.15pm – 2.30pm	Clinical and Imaging Indication and Contraindication for tPA	Dr Pang Yee Hau Senior Consultant, Neurology National Neuroscience Institute, Singapore
2.30pm – 2.45pm	Improving Revascularization Rates with Balloon Guide Catheter	Dr Kee Tze Phei Consultant, Neuroradiology National Neuroscience Institute, Singapore
2.45pm – 3.00pm	Intracranial Stenting - Tips and Tricks	Dr Saravana Kumar Consultant, Neuroradiology National Neuroscience Institute, Singapore
3.00pm – 3.15pm	Carotid Stenting: Why? How? When?	Dr Joanna Pearly Ti Senior Consultant, Neuroradiology National Neuroscience Institute, Singapore
3.15pm – 3.45pm	Tea Break	
Practical Hands-on Workshop: 3.45pm – 5.45pm		
TIME	TOPIC	FACILITATORS
Station 1	Mechanical Thrombectomy - Combination technique Aspiration and Stent Retriever, with Proximal Flow Arrest	Dr Kee Tze Phei Consultant, Neuroradiology National Neuroscience Institute, Singapore
Station 2	Mechanical Thrombectomy - Aspiration only technique with focus on Distal Medium Vessel Occlusion	Dr Julian Han Consultant, Neuroradiology National Neuroscience Institute, Singapore
Station 3	Thrombolysis	Dr Pang Yee Hau Senior Consultant, Neurology National Neuroscience Institute, Singapore
Station 4	Carotid / ICAD Stenting	Dr Joanna Pearly Ti Senior Consultant, Neuroradiology National Neuroscience Institute, Singapore
5.45pm	End of Workshop (2)	



20th SINGAPORE INTERNATIONAL STROKE CONFERENCE



National
Neuroscience Institute
SingHealth



Pre-Conference Workshop - Minimally Invasive Parafascicular Surgery (MIPS)

A Deficit-Sparing Approach in Intracerebral Haemorrhage

COURSE OVERVIEW

Managing subcortical abnormalities and lesions has long been a challenge in neurosurgery. Historical randomized clinical trials showed little benefit from surgical intervention, especially in ICH, often a result of white matter disruption and injury during access.¹ However, modern advancements in neurosurgical technology and refined surgical techniques over the past decade now allow for safer, more surgically appropriate intervention. In 2022, updated guidelines for haemorrhagic stroke indicated in appropriate patients minimally invasive hematoma evacuation can be useful to reduce mortality compared with medical management alone.² This education program aims to describe an evidence-driven surgical technique for **E**arly, **mi**nimally invasive **R**emoval of **ICH** as described in the recently completed randomized clinical trial, ENRICH.³

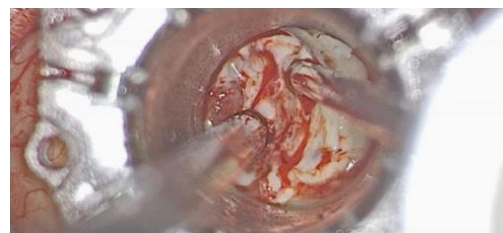
Meta-Analysis on MIPS Data Suggests⁴

- MIPS technologies reduce parenchymal injury as vs. traditional retraction.
- Lower surgical morbidity and post-operative complications vs. traditional retraction.
- Consistency in clinical outcomes across wide variety of diseases.
- An economic impact through shorter hospital stays, as noted in several studies.



This education program provides peer-to-peer discussion of existing evidence and extensive personal experience with top neurosurgery leaders in MIPS. Through the introduction of novel technologies, attendees will be provided a first-hand introduction to this comprehensive surgical approach with an emphasis on procedural efficiencies such as navigable trans-sulcal access and automated resection with reduced need for instrument exchange.

Following the lecture portion of this program, a personalized experience will provide each neurosurgeon with a one-on-one technical skills lab for hands-on learning. Combined, this education series provides attendees an introduction to supporting literature and real-world experience from experts on safely and effectively implementing MIPS to practice.



Question? Contact info@humedical.com

¹Ratcliff et al, <https://doi.org/10.3389/fneur.2023.1126958>

²Greenberg et al, <https://doi.org/10.1161/STR.0000000000000407>

³<https://clinicaltrials.gov/ct2/show/study/NCT02880878>

⁴Mansour et al, <https://dx.doi.org/10.1016/j.wneu.2019.08.218>

TWO-DAY WORKSHOP

DAY 1: Didactic

Thursday, 26 September 2024

8pm to 10pm (Singapore Time)

Virtual Session

DAY 2: Hands-On Skills

Thursday, 3 October 2024

8am to 12pm (Singapore Time)

SingHealth Procedural Skill Lab 1C
Academia, Basement 1, 20 College Road
Singapore 169856

REGISTRATION

This workshop is part of the main conference. Participants must register for the main conference and attend both workshop sessions to qualify for the certificate of participation. For more information, please refer to the details provided on the official event website: <https://www.nni-strokeconference.com/registration>.



<https://www.nni-strokeconference.com>

Pre-Conference Workshop - Minimally Invasive Parafascicular Surgery (MIPS)

ADVANCING EDUCATION



COURSE HOST

Dr Lee Chee Hoe Lester

MBBS (England)
MMed (Surgery)
FRCS (Surgical Neurology)
Consultant, Neurosurgery and Course Organizer
National Neuroscience Institute



DAY 1, 26 September 2024: Virtual MIPS Didactic

- Review principles of efficient and effective minimally disruptive techniques based on enhanced respect for fascicular anatomy and common corridors.
- Build awareness on increasing evidence for MIPS in intracerebral haemorrhage.
- Learn application of MIPS in tumours and ICH. Gauge the potential clinical and economic impact for you, your patients, and your institution.



Dr Jeroen Coppens

Saint Louis University
Assoc. Professor, Neurosurgery
ENRICH PI



Dr Lawrence Dickinson

Pacific Brain & Spine
Sutter Eden Health
Neurosurgery

DAY 2, 3 October 2024: Hands-On Skills

- Review clot evacuation, haemostasis management, and tumour experience.
- Increase familiarity with technologies utilized in MIPS and the OR set-up.
- Evaluate OR efficiencies related to MIPS from an expert technology provider team.
- Enhance understanding of how to address key challenges associated with subcortical surgical intervention such as:
 - Controlling haemostasis
 - Uniform delivery of light
 - Bi-manual, microsurgical techniques through a narrow corridor



Dr Ng Yew Poh Vincent

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Dr Rao Jai Prashanth

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