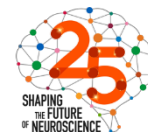




20th SINGAPORE INTERNATIONAL STROKE CONFERENCE



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 Early, minimally invasive Removal of **ICH** as described in the recently completed randomized clinical trial, ENRICH.³

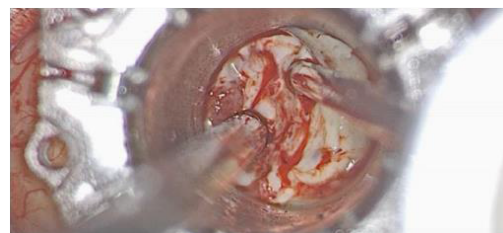
Meta-Analysis on MIPS Data Suggests⁴

- 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



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