



Improving Outcomes from Pre-hospital and Emergency Care across the Asia-Pacific

STUDY PROPOSAL REQUEST FORM

Please complete the form and email to PAROS secretariat at patricia.tay@scri.edu.sg by the stipulated date. You will be notified in due time on whether your study has been accepted for presentation.

Reminder: Please check the list of existing proposals and publications from <https://www.scri.edu.sg/crn/pan-asian-resuscitation-outcomes-study-paros-clinical-research-network-crn/paros-publications/> to avoid duplications of proposals. Abstract and manuscript must be sent to PAROS chairs for approval before submission for presentation/publication.

1. BASIC INFORMATION

Name: Lim Shir Lynn

Designation: Consultant/PAROS member

Email: shir_lynn_lim@nuhs.edu.sg

Country: Singapore

2. TYPE OF REQUEST (Please select one)

New Study Proposal (initial)

Secondary Analyses

Explanatory Analyses

3. STUDY TITLE

Monitoring the brain after cardiac arrest

4. ABSTRACT OF STUDY PROPOSAL

In **no more than 350 words**, describe the study under the given headings below.

Objectives/Hypotheses

Up to 70% of initial cardiac arrest survivors succumb in the subsequent 24-72 hours after return of spontaneous circulation due to the ongoing injurious processes of post cardiac arrest syndrome. Effective management requires monitoring methods to aid clinicians in the detection and quantification of post resuscitation pathophysiological cerebral injury processes in the intensive care unit.

Methodology

Consecutive adult subjects resuscitated from OHCA from January 2019 to December 2023 will be eligible for this prospective pilot study. Subjects who fail to achieve return of spontaneous circulation in the emergency department and those with care limitations in place will be excluded. Details on post-resuscitation management, neurological monitoring modality and its findings will be collected. These are merged with data from PAROS registry, for complete pre-hospital and outcomes data.

The primary outcome is survival with favorable neurological outcomes. Secondary and exploratory outcomes include discharge destination and quality of life at one year respectively.

Limited data exist for post-resuscitation neurological monitoring. In one study of 60 post-resuscitation patients, survivors with favorable neurological outcomes had significantly higher

Secretariat

Singapore Clinical Research Institute Pte Ltd (Reg No: 200812355Z)

31 Biopolis Way, Nanos #02-01, Singapore 138669 | Tel: (65) 6508 8356 | Fax: (65) 6508 8317 | Website: www.scri.edu.sg



Improving Outcomes from Pre-hospital and Emergency Care across the Asia-Pacific

2. Limit total number of slides to not more than 12. The following are the recommended number of slides for each section.
 - a. Introduction – maximum of 2 slides
 - b. Objectives/Hypotheses – maximum of 2 slides
 - c. Methodology – maximum of 6 slides
 - d. Significance – maximum of 2 slides

3. Try to use big fonts and contrasting colours to increase readability e.g.
 - a. Black/dark blue font against white background
 - b. White/yellow font against black background
 - c. Black font against blue background

For any enquiries, please contact PAROS secretariat at paros.secretariat@yahoo.com

Secretariat

Singapore Clinical Research Institute Pte Ltd (*Reg No: 200812355Z*)

31 Biopolis Way, Nanos #02-01, Singapore 138669 | Tel: (65) 6508 8356 | Fax: (65) 6508 8317 | Website: www.scri.edu.sg
