



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](mailto: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

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Country: Singapore

### 2. TYPE OF REQUEST (Please select one)

New Study Proposal (initial)

Secondary Analyses

Explanatory Analyses

### 3. STUDY TITLE

Emergency department factors and outcomes of adult and paediatric out-of-hospital arrests in Pan-Asian Countries

### 4. ABSTRACT OF STUDY PROPOSAL

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

#### Objectives/Hypotheses

The objective of this retrospective, observational study is to determine associations of advanced cardiac life support (ACLS) provided in emergency departments for a) adult and b) paediatric (infants and children) cases of out-of-hospital cardiac arrest (OHCA) in Pan-Asian countries with 1) long-term neurobehavioural outcomes, 2) survival to discharge and 3) sustained return-of-circulation (ROSC) / survival to hospital admission.

**Methodology** (To include sample size, settings, inclusion & exclusion criteria, etc. For secondary & explanatory analyses: include statistical plan, type of analyses, measurement, etc.)

The proposed study is a secondary analysis retrospective cohort study of all adult and paediatric non-traumatic OHCA cases enrolled in the PAROS registry by December 31, 2018.

Patient epidemiology and clinical characteristics (underlying cardiac vs non-cardiac aetiologies, shockable rhythms) will be studied.

Emergency department (ED) medical records will be investigated to ascertain associations of ED-interventions (time to tracheal intubation, use of mechanical chest compression, time to the first adrenaline and number of doses given and use of volume resuscitation).

For shockable rhythms, use of anti-arrhythmics (time of first dose and number of doses), volume resuscitation, defibrillation (time of first shock and number delivered).

The duration of resuscitation will . Where appropriate, ED ECMO initiation time.

For paediatric out-of-hospital arrests, those occurring in paediatric emergency departments and general emergency departments.

The primary outcome measure is patient survival to hospital discharge and when available, long-term

Secretariat

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- c. Methodology
  - d. Significance
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](mailto:paros.secretariat@yahoo.com)

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