



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

**Name:** Mazen El- Sayed

**Designation:** Primary Investigator

**Email:** melsayed@aub.edu.lb

**Country:** Lebanon

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

New Study Proposal (initial)

Secondary Analyses

Explanatory Analyses

### 3. STUDY TITLE

Basic versus Advanced Life Support in Out-of-Hospital Cardiac Arrest: A Retrospective Study of the Pan-Asian Resuscitation Outcomes Study (PAROS) Registry Population

### 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 study is to determine whether advanced cardiac life support (ACLS) provided by emergency medical services (EMS) in cases of out-of-hospital cardiac arrest (OHCA) has any significant added benefit to patient outcomes in comparison with basic life support (BLS), in the specific settings of EMS systems in Pan-Asian countries, and thus to identify the most efficient resource utilization approaches for current and new EMS systems.

#### Methodology

The proposed study is a secondary analysis retrospective cohort study of all adult non-traumatic OHCA cases enrolled in the PAROS data set by December 31, 2017. The primary outcome measure is patient survival to hospital discharge, and secondary outcomes comprise patient's status upon ED arrival and discharge in addition to neurological status and health dimensions when available.

The distribution of the demographic, clinical and EMS-related characteristics will be examined via univariate analyses. In bivariate analyses, patients will be stratified into two groups: BLS or ACLS. The statistical associations and the significance of the relevant variables among each group and outcome measures will be examined using Student's t-test and Pearson's chi-square. Odds ratios and 95% confidence intervals will also be calculated to assess the magnitudes of the associations.

A Multivariate Analysis will be performed to identify the factors associated with the primary outcome

Secretariat

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

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### **General Instructions**

1. Presentation must include the following sections:
  - a. Introduction
  - b. Objectives/Hypotheses
  - 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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