



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

Gender Disparities Among Recipients of Bystander CPR and AED in Pan-Asian Communities

### 4. ABSTRACT OF STUDY PROPOSAL

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

#### Objectives/Hypotheses

The delivery of bystander cardiopulmonary resuscitation (BCPR) has been affirmed its association with increased survival among out-of-hospital cardiac arrest (OHCA) victims. While the BCPR rate is 39.3% in PAROS study, detailed investigations on BCPR characteristics have not been fully explored. In this proposal, we aim to profile gender disparities among OHCA patients in Pan-Asian communities, by hypothesizing that males would be more likely than females to receive layperson BCPR and bystander defibrillation.

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

We will conduct a retrospective analysis of the PAROS 1 dataset. We will exclude pediatric victims (age < 18 years), OHCA cases from traumatic injury, cases occurred in healthcare institutions, and those who were witnessed by emergency medical services (EMS). We will stratify patients by cardiac arrest location (i.e. home or public place) in order to investigate the impact of gender difference on layperson BCPR and AED use, and survival outcome. We will use logistic regression to analyze whether there are differences in layperson BCPR and defibrillation rates by gender.

**Significance of the study** ( e.g. provide brief description on how the study can improve current

Secretariat

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

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This study will fill in a knowledge gap by understanding layperson response to OHCA victims in Pan-Asian communities. Knowing the impact of gender difference on layperson B CPR and AED use may present important considerations for future public CPR and AED training; it will also provide evidence for possible changes to the instructions given by emergency dispatchers as the current dispatch process follows a uniform script regardless of the gender of OHCA victims.

**For Official Use (Assessor only)**

**(A) Score (please highlight the appropriate score):**

1

2

3

4

5

6

7

8

9

10

*Unfavourable*

*Favourable*

**(B) Comments (free text):**

## GUIDELINES FOR PREPARING NEW PROPOSAL PRESENTATION

If your study proposal has been accepted for presentation, you will be notified by the Secretariat. Please prepare your presentation slides in accordance to the following instructions. Each presenter is given 10 minutes to present (8min presentation + 2min Q&A).

### 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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