



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.cris.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: Japan

2. TYPE OF REQUEST (Please select one)

New Study Proposal (initial)

Secondary Analyses

Explanatory Analyses

3. STUDY TITLE

Verification of the effect of introducing DA-CPR comprehensive package – a regression discontinuity design

4. ABSTRACT OF STUDY PROPOSAL

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

Objectives/Hypotheses

It has reported that dispatcher assisted cardiopulmonary resuscitation (DA-CPR) improves favorable outcomes after out-of-hospital cardiac arrest (OHCA). As a part of PAROS 2 activity, the DA-CPR comprehensive package was introduced to enhance DA-CPR. Recognition of cardiac arrest and outcome after OHCA were increased after the comprehensive package was introduced. However, the detailed DA data collected by PAROS 2 has not been evaluated yet. This study will aim to evaluate the association between introduction of comprehensive package and improvement of dispatcher's skills.

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

This study will be conducted a before-after study as a secondary analysis with PAROS 2 network registry.

- Patient: OHCA that occurred in the area where introduced comprehensive package.
- Intervention: After introducing a comprehensive package.
- Comparison: Duration of comprehensive package pre-intervention.
- Outcome: Rate of recognition of OHCA (%), the interval time from call to recognition of OHCA (sec) \ the interval time from recognition of OHCA to first chest compression by laypersons (sec).

Analyses

Regression discontinuity design

It is a design that can be cut off the initiation of comprehensive package period, and it can be compared as if the comprehensive package was randomly assigned. It is a quasi-experimental design, and able to compare not only measured factors but also unmeasured factors.

Secretariat

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

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Significance of the study (e.g. provide brief description on how the study can improve current
 This study will be a large-scale observational study regarding DA-CPR in Pan-Asian countries using PAROS 2 network registry. It can investigate and evaluate the effects of comprehensive package, and it would expand the spread of comprehensive package.

For Official Use (Assessor only)

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

1	2	3	4	5	6	7	8	9	10
<i>Unfavourable</i>								<i>Favourable</i>	

(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

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c. Black font against blue background

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

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