



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

<http://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: Joyce Kong

Designation: Research professor

Email: soyeon.kong@gmail.com

Country: Korea

2. TYPE OF REQUEST (Please select one)

New Study Proposal (initial)

Secondary Analyses

Explanatory Analyses

3. STUDY TITLE

The influence of cancer on post-resuscitation treatments among out-of-hospital cardiac arrest patients

4. ABSTRACT OF STUDY PROPOSAL

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

Objectives/Hypotheses

The global burden of cancer continues to increase largely due to the aging and growth of the population. As number of people with malignancy increases, more OHCA patients with cancer are being admitted to emergency departments. However, the influence of pre-arrest cancer status on post-resuscitation treatments received following OHCA has not been previously studied. The objective of this proposed study is to evaluate the influence of cancer status on post-resuscitation therapies among OHCA patients with ROSC. We hypothesize that OHCA patients with cancer receive lower post-resuscitation treatments compared with those without cancer.

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

Setting: Seven PAROS Participating countries (Japan, Korea, Singapore, Taiwan, Thailand, Malaysia, and UAE)

Study population:

Inclusion: Adult (≥ 18 years) EMS-treated OHCA patients with presumed cardiac etiology and ROSC

Exclusion: Unknown history of cancer and post-resuscitation treatments

Exposure: Cancer status (having cancer vs. no cancer)

Outcomes: Post-resuscitation treatments received including hypothermia, percutaneous coronary intervention (PCI), and extracorporeal membrane oxygenation (ECMO)

Secretariat

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

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Covariates including age, gender, other comorbidity (heart, respiratory, and renal diseases, diabetes, and HIV), and year of arrest.

Statistical analysis: Multivariable logistic analysis.

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

Cancer is a leading cause of death worldwide. As number of people with malignancy is increasing, their post-resuscitation treatments need to be further studied. Previous studies have suggested that some post-resuscitation factors may play as important roles on survival as previously emphasized prehospital factors in cardiac arrest patients. The results of this proposed study will provide a better understanding of post-resuscitation treatments given to OHCA patients with malignancy, which in turn will further improve the survival outcomes of this vulnerable population.

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.

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- 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

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