

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 <u>patricia.tay@scri.cris.sg</u> 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 <u>https://www.scri.edu.sg/crn/pan-asian-resuscitation-outcomes-study-paros-clinical-research-network-crn/paros-publications/</u> 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: Tatsuya Kaito , Hideharu Tar	Designation:Master of emergency medicine								
Email: t_kaito@meiji-u.ac.jp	Country: Japan								
2. TYPE OF REQUEST (Please select	t one)								
🗌 New Study Proposal (initial) 🛛 🗖 Secondary An		25	Explanatory Analyses						
3. STUDY TITLE									
Association between drug administra	tion and outcome afte	r out-of-hospi	tal cardiac arrest						
4. ABSTRACT OF STUDY PROPOSA									
In no more than 350 words, describe t		en headings be	elow.						
The effects of drug administration on outcomes after out-of-hospital cardiac arrest (OHCA) patients are controversial. We should evaluate the effect of drug administration on OHCA by accounting for regional differences because the effect of drug administration was different in the region. This study aimed to evaluate the association between drug administration and its outcome after OHCA.									
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 as a multicenter cohort study using the PAROS network registry. Patients with EMS-treated OHCA aged 18 years or older will be analyzed, excluding missing data. The primary exposure variable will be drug administration in the prehospital setting. Patients will be divided into the Shockable and Non-shockable cohorts because the treatment would be differed depending on the initial rhythm. We will be stratified by country and calculated propensity scores with the logistic model. We will calculate the effect size for comparing the outcomes of the drug administration and the not drug administration cohort using the marginal structural model. Finally, the calculated effect size will be weighted and pooled by the random effect model.The primary outcome will be survival to discharge. The secondary outcome will be the return of spontaneous circulation at the emergency department and a favorable neurological outcome.									
<b>Significance of the study</b> (e.g. provide brief description on how the study can improve current) This study will be a large-scale observational study that evaluated the effect of drug administration in Pan-Asian countries using the PAROS network registry. This study that accounted for regional differences may indicate									



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results that can help establish a drug administration strategy for OHCA.

For Official Use (	For Official Use (Assessor only)										
(A) Score (please	A) Score (please highlight the appropriate score):										
1 2	3	4	5	6	7	8	9	10			
Unfavourable								Favourable			
(B) Comments (fr	ree 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

## Secretariat

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