

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.sq/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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2. TYPE OF REQUEST (Please select one)											
	New Study Proposal (initial)	Secondary Analys	lyses Explanatory Analyses								
3. STUDY TITLE											
The Validation and Development of Termination-of-Resuscitation (TOR) rules in Patients Following Out-of-Hospital											
Cardiac Arrest (OHCA) in Asia Countries											
	ABSTRACT OF STUDY PROPOSAL			•							
In no more than 350 words, describe the study under the given headings below.											
Objectives/Hypotheses											
	sites. Whether they remained valid in different geographic, ethnic, and cultural background areas is still										
	under debate.										
	Differences in characteristics of out-of-hospital cardiac arrests (OHCAs) and configurations of emergency										
	medical service (EMS) between the Western and Asian countries, including relatively lower rate of presenting shockable rhythm (i.e. ventricular fibrillation / ventricular tachycardia; VF/VT), lower rates of										
	bystander CPR, less advanced life support (ALS) implementation, and less public access defibrillators, mig										
	create potential threats to the prediction accuracy of TOR rules.										
	We aim to conduct a study to validate the performance of ever published TOR rules in Asian OHCA										
	population, including non-traumatic, traumatic, and pediatric OHCA patients. Furthermore, assess the										
	possible variables that may impact	the performance of TO	R rules.								
4.	We also aim to develop new TOR rules based on PAROS registry for Asia population, focusing on non-										
	traumatic, traumatic, and pediatric		•								
Methodology (To include sample size, settings, inclusion & exclusion criteria, etc. For secondary &											
explanatory analyses: include statistical plan, type of analyses, measurement, etc.)											
1.	Setting: the analysis of PAORS databank										
	Inclusion: OHCA patients; devided by different area										
	Test criteria: Goto TOR rules, Shibahashi TOR rules and universal TOR rules announced by ACLS guidelines										
	2020, including ALS rules and BLS rules Predictive performance: Defined as items below: Sensitivity, specificity, positive predictive rate, and										



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negative predictive rate for non-salvageable cases. We also intended to calculate the rates of decreased transport (if tested positive by rules at scene). Furthermore, evaluate the possible variables that may influence the performance of TOR rules.

- 4. The primary endpoint is to check the predictive performance of TOR rules in OHCAs by Asian population.
- 5. The second endpoint is to elaborate the relationship of accuracy vs. subgroups. For example, predictive performance TOR rules in OHCAs resuscitated by ALS, OHCAs resuscitated by BLS, and geographic difference among Asian countries.
- 5. Use standard cross-validation method or machine-learning method for development of new TOR rules.

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

- 1. Results from this study will be an series follow up for TOR performance periodically before full implementation of the TOR rules worldwide.
- 2. Results from this study will add to the body of evidence on the subject of TOR rules and help policy makers for Asian communities.

For Official Use (Assessor only)												
(A) Score (please highlight the appropriate score):												
1	2	3	4	5	6	7	8	9	10			
Unfavo	urable								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