

communities.

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 paros.secretariat@yahoo.com by the stipulated date. You will be notified in due time on whether your study has been accepted for presentation.

1. BASIC INFORMATION			
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2. TYPE OF REQUEST (Please select one)			
New Study Proposal (initial)		Explanatory Analyses	
3. STUDY TITLE			
Predictive performance of Termination-Of-Resuscitation (TOR) rules in Asia: Are They Accurate Enough?			
4. ABSTRACT OF STUDY PROPOSAL			
In no more than 350 words, describe the study under the given headings below.			
Objectives/Hypotheses			
1.	Prehospital termination-of-resuscitation (TOR) rules were developed in North American and European sites.		
	Whether they remained valid in different geographic, ethnic, and cultural background areas is still under debate.		
2.	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, might create potential threats to the prediction		
_	accuracy of TOR rules.		
3. We intend to conduct a study to test the predictive performance of TOR rules in Asian population.			
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: adult non-traumatic OHCA; devided into resuscitated by ALS or BLS or mix-tiered response Exclusion: OHCAs with traumatic causes and pediatric patients		
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2.	Test criteria: Universal TOR rules announced by ACLS guidelines 2010, including ALS rules and BLS rules Predictive performance: Defined as items below: ① Sensitivity, ② specificity, ③ positive predictive rate, and		
3.	Inegative performance. Defined as items below. If sensitivity, Items below. It		
	transport (if tested positive by rules at scene), as an index of systemic efficiency.		
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		
J.	of ALS rules and BLS rules in <b>①</b> OHCAs resuscitated by ALS, <b>②</b> OHCAs resuscitated by BLS, <b>⑤</b> geographic difference		
among Asian countries.			
Significance of the study (e.g. provide brief description on how the study can improve current systems, its benefit to			
patients and how it can be implemented)			
1. Results from this study will be an important basis 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		