Study Abstract	
1. BASIC INFORMATION	
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2. TYPE OF REQUEST (Please select one)	<u>_</u>
New Study Proposal (initial)	Analyses Explanatory Analyses
3. STUDY TITLE	
EMS Response time in resuscitation of OHCAs: The sooner, the better?	
Re-exploration of EMS response time to the survival of OHCAs in Asia.	
 4. RESEARCH QUESTIONS TO GUIDE LITERATURE REVIEW SEARCH Is response time related to the outcomes of OHCA (e.g. survival)? 	
 How can "response time" be defined and which definition is most applicable to the EMS setting? 	
 Is there a difference between the correlation between response time and outcomes of OHCA in 	
Asian countries vs North America?	
5. ABSTRACT OF STUDY PROPOSAL	
In no more than 350 words, describe the study under the given headings below.	
Objectives/Hypotheses	was a same time of the same and the same to a surious state.
Although it is a general agreement that the response time (i.e. from call receiving to arrival at scene) is associated with survival of OHCAs, explained by worldwide EMS operators into a goal	
of an 8-min response time or less, currently medical research does not actually provide	
adequate evidences on this dogma. In the other hand, some research did show the	
controversial result (Pons PT, <i>Acad Emerg Med</i> ,2005).	
Shortening of response time has been addre	essed by international guidelines of CPR/ECC and
has become a sine qua non of systemic optimization of EMS planning worldwide. However,	
• .	s or even shorter requires substantial efforts and
abundant financial support.	
	correlation of EMS response time and the survival
time" (if existed) in Asian countries.	inate an appropriate cut-point of "best response
•	Asian cities positively correlates to the survival of
OHCAs, but the benefits of a response time reduction becomes inefficiently if shorter than a	
threshold, defined as "the best response ti	•
Methodology (To include sample size, settings, inclusion & exclusion criteria, etc. For secondary &	
explanatory analyses: include statistical plan, type of analyses, measurement, etc.)	

- > Setting: the secondary analysis of PAORS databank
- > Inclusion: adult non-traumatic OHCA
- Exclusion: OHCA caused by definite asphyxia, including submission, foreign-body airway obstruction, and anaphylaxis.
- Exposure measurement: response time in calls for OHCAs, level of EMT, bystander CPR, initial arrest rhythm, transport time.
- > Outcome measurement: ROSC rate, survival to admission, survival to discharge, CPC at discharge.
- > Statistic plan: (1) Correlation analysis (2) Multivariate logistic regression

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)

- ➤ Provide the evidence of benefit of shortening response time for Asian EMS in resuscitation of OHCAs
- Provide suggestion to international CPR/ECC guidelines on the goal of the best response time by Asian data.
- ➤ Being a basis of cost-benefit analysis of systemic optimization of EMS by shortening response time.