



Summary: PAROS Publications Committee Updates

PAROS Main Paper

- ▶ Cost-effectiveness of Modifiable Factors for OHCA Survival

Title: Strategies to Improve Survival Outcomes of Out-Of-Hospital Cardiac Arrest (OHCA) Given a Fixed Budget: A Simulation Study

Target Journal: Circulation

Timeline: Submission by end May

Proposals Withdrawn

– due to timeline and lack of progress

Study Title	Date of Approval	First Author	Status updates_ June 2019	Topic Status
EGDT/ Hypothermia	June 2010	Dr Patrick Ko	Withdrawn 2018	Open to all
Non-Cardiac OHCA in PAROS	April 2011	Dr Young sun Ro	Withdrawn 2018	Open to all
A survey on public access defibrillation (PAD) implementation among PAROS members	June 2014	Dr Sheng-Wen Hou	Withdrawn	Open to all
Safety practices among Asia EMS	Oct 2014	Dr Sarah Karim	Withdrawn	Open to all
Relationship between OHCA burden and cardiac arrest outcomes	Oct 2014	Dr Kuo Chan-Wei	Withdrawn	Open to all

Study Updates

Study Title	Approval	First Author	Status updates_June 2019
In OHCA, does shortening the response time effect survival?	Oct 2010	Dr Chiang Wen-Chu	Finished, and the abstract will be submitted to 2019 ERC annual meeting
Predictive performance of Termination-Of-Resuscitation (TOR) rules in Asia: Are They Accurate Enough?	April 2014	Dr Huang Yu-Sheng	Under analysis by Dr. Hsu (her MPH degree). Expects the final completed results in July.
Time Interval between Collapse and Return of Spontaneous Circulation between Various Outcomes in OHCA	June 2014	Dr Sumitro	Taken over by Dr Andrew Ho. Analysis in progress
Outcome Prediction for OHCA Patients Using Statistical Computation Approaches	Nov 2015	Dr Liu Nan	Analysis has been completed. Target to complete the manuscript before ICEM 2019.
Factors Influencing Bystander Cardiopulmonary Resuscitation and the Related Outcomes across PAROS Communities	Nov 2015	Dr Jonathan Lu	Data cleaning phase, target timeline: preliminary report within 6 months and finish the manuscript within one year.

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Location Characteristics and The Outcome Impact on OHCA among PAROS Communities	Nov 2015	Dr Patrick Ko	
Analyzing the utilization of ECMO for OHCA in current situation among PAROS communities	Nov 2015	Dr Patrick Ko	
Epidemiology of OHCA between developing and developed countries	Aug 2016	Takahiro Hara, Dr Marcus Ong	
Association of outcomes and resuscitative efforts amongst OHCA occurring at night in the Asia-Pacific – a prospective, observational study	Aug 2016	Dr Andrew Ho	Published: Outcomes and modifiable resuscitative characteristics amongst Pan-Asian out-of-hospital cardiac arrest occurring at night. Medicine (Baltimore). 2019 Mar;98(10):e14611.
Resuscitation Academy (RA) 10-Step Implementations in the Pan-Asian Resuscitation Outcomes Study (PAROS) group	Aug 2016	Dr Marcus Ong	Ongoing

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Arrest to first compression time and survival outcome in witness OHCA.	Aug 2016	Dr Yu Jin Lee	
The Outcomes of Traumatic or Injured OHCA and Ventricular Fibrillation	Aug 2016	Dr Yen-Pin Chen, Dr Sot Shih-Hung Liu Dr Patrick Ko	
Comparison of dispatcher-assisted cardiopulmonary resuscitation (DA-CPR) practices among Pan-Asian Countries: A web-based survey	Dec 2016	Dr Ng Yih Yng, Dr Desmond Mao	Dr Desmond Mao in-charge of the study.
Percutaneous coronary intervention provision and outcomes among cardiogenic OHCA in Asian countries	July 2017	Dr Takashi Tagami	Analysis phase

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Population aging and proportion of elderly among cardiogenic out-of-hospital cardiac arrest patients: Post-hoc analysis of the Pan Asian Resuscitation Outcomes Study	July 2017	Dr Takashi Tagami	Submitted the revision to Acute Care and Surgery, waiting for their reply
Environmental exposure as a risk factor for out-of-hospital cardiac arrest	Feb 2018	Dr Andrew Ho	
Association between Response Time Interval and Favorable Neurologic Outcome according to Bystander CPR : Pan Asian Resuscitation Outcome Study	Feb 2018	Dr Hyun Wook Ryoo	The manuscript is finished. We are planning to submit to 'Resuscitation' journal after making some correction within June of this year.
Interaction effect of bystander CPR on the association between time from call to first rhythm analysis and shockable presenting rhythm after out-of-hospital cardiac arrest	Feb 2018	Dr Jeogn Ho Park	At preparatory stage

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The influence of cancer on post-resuscitation treatments among out-of-hospital cardiac arrest patients	Feb 2018	Dr Joyce Kong	Published using Korea data: Effect of cancer history on post-resuscitation treatments in out-of-hospital cardiac arrest. Resuscitation. 2019 Apr; 137:61-68 waiting for the next phase data release
The effects of cancer on outcomes after out-of-hospital cardiac arrest	Feb 2018	Dr Joyce Kong	waiting for the next phase data release
The effect of initial ECG rhythm on the association between bystander cardio-pulmonary resuscitation (CPR) and outcomes after out-of-hospital cardiac arrest (OHCA)	Feb 2018	Dr Jung Eujene	

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Interaction effects of communities and advanced airway management on survival after out-of-hospital cardiac arrest; Multi-level analysis.	Feb 2018	Dr Ki Ok Ahn	Manuscript: Variability of the effects of prehospital advanced airway management on outcome among patients with out-of-hospital cardiac arrest. Submitted to CEEM.
Basic versus Advanced Life Support in Out-of-Hospital Cardiac Arrest: A Retrospective Study of the Pan-Asian Resuscitation Outcomes Study (PAROS) Registry Population	Feb 2018	Dr Mazen El-Sayed	Awaiting dataset and analysis
Utstein Factors and Outcomes in Traumatic Out-of-Hospital Cardiac Arrests	Feb 2018	Dr Chia Yih Chong Michael	Awaiting dataset and analysis
Pre-hospital Advanced Airway and Survival Outcomes after Paediatric Out-of-Hospital Cardiac Arrests.	Feb 2018	Dr Tham Lai Peng	Awaiting dataset and analysis

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The difference of on-scene resuscitation according to initial rhythm in patient with out-of-hospital cardiac arrest	Feb 2018	Dr Won Chul Cha, Dr Taerim Kim	
The impact of early coronary angiography on clinical outcomes in out-of-hospital cardiac arrest	Feb 2018	Dr Lim Shir Lynn	Ongoing. Data from Singapore Cardiac Databank obtained (2011-2015) with analyses ongoing.
Monitoring the brain after cardiac arrest	Feb 2018	Dr Lim Shir Lynn	Ongoing. Data collection only from a single-center in Singapore currently.
Gender difference in out-of-hospital cardiac arrest survival by region in Asian countries	Feb 2018	Dr Lee Sun Young	At preparatory phase