



PAROS BULLETIN

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Announcement ...

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**PAROS 2
Data open for
secondary
analysis**

PAROS Website:
<http://www.scri.edu.sg/scri/index.php/clinical-research-networks/pan-asian-resuscitation-outcomes-paros-clinical-research-network>

Trial Coordinating
Centre:



For approved proposals, to access PAROS 2 data, you may contact Maeve, maeve.pek@duke-nus.edu.sg or Shahidah, nur.shahidah@duke-nus.edu.sg for the data.

For New Research Ideas, please pen it down in the proposal form and submit it to patricia.tay@scri.cris.sg.

You may download the form from this [link](#).



PAROS Publications ...



PAROS 2 Main Paper

International multi-center real world implementation trial to increase out-of-hospital cardiac arrest survival with a dispatcher-assisted cardio-pulmonary resuscitation package (Pan-Asian resuscitation outcomes study phase 2)

Marcus Eng Hock Ong, Sang Do Shin, Patrick Chow-In Ko, Xinyi Lin, Matthew Huei-Ming Ma, Hyun Wook Ryoo, Kwanhathai Darin Wong, Jirapong Supasaowapak, Chih-Hao Lin, Chan-Wei Kuo, Ramana Rao, Wenwei Cai, Faith Joan Gaerlan, Munawar Khursheed, Do Ngoc Son, Karim Sarah, Mazen El Sayed, Saad Al Qahtani, Hideharu Tanaka

Resuscitation. 2022 Feb;171:80-89. doi: 10.1016/j.resuscitation.2021.12.032.

Pre-hospital airway management and survival outcomes after paediatric out-of-hospital cardiac arrests

Lai Peng Tham, Stephanie Fook-Chong, Nur Shahidah Binte Ahmad, Andrew Fu-Wah Ho, Hideharu Tanaka, Sang Do Shin, Patrick Chow-In Ko, Kwanhathai Darin Wong, Supasaowapak Jirapong, G.V. Ramana Rao, Wenwei Cai, Saad Al Qahtani, Marcus Eng Hock Ong, For the Pan-Asian Resuscitation Outcomes Study Clinical Research Network

Resuscitation 176 (2022) 9-18.

<https://doi.org/10.1016/j.resuscitation.2022.04.018>

PAROS Publications ...



Gender disparities among adult recipients of layperson bystander cardiopulmonary resuscitation by location of cardiac arrest in Pan-Asian communities: A registry-based study

NanLiu, Yilin Ning, Marcus Eng Hock Ong, Seyed Ehsan Saffari, Hyun Ho Ryu, Kentaro Kajino, Chih-Hao Lin, Sarah Abdul Karim, G.V. Ramana Rao, Andrew Fu Wah Ho, Shir Lynn Lim, Fahad Javaid Siddiqui, PAROS Clinical Research Network Investigators

*eClinicalMedicine*2022;44: 101293 Published online 12 February 2022
<https://doi.org/10.1016/j.eclinm.2022.101293>

Development and validation of an interpretable prehospital return of spontaneous circulation (P-ROSC) score for patients with out-of-hospital cardiac arrest using machine learning: A retrospective study

Nan Liu, Mingxuan Liu, Xinru Chen, Yilin Ning, Jin Wee Lee, Fahad Javaid Siddiqui, Seyed Ehsan Saffari, Andrew Fu Wah Ho, Sang Do Shin, Matthew Huei-Ming Ma, Hideharu Tanaka, and Marcus Eng Hock Ong, For the PAROS Clinical Research Network Investigators

eClinicalMedicine 2022;48: 101422.
<https://doi.org/10.1016/j.eclinm.2022.101422>

Characteristics of Prehospital Heat Illness Cases During the Annual Heat Wave Period in Telangana, India

Gayathri Devi Nadarajan, Gv Ramana Rao, Keshav Reddy, Aruna Gimkala, Rani Janumpally, Yukai Ang, Cheryl Ting Zhen Woo, Theng Hong Neo, Xiang Yi Wong, Marcus Eng Hock Ong

Prehosp Disaster Med. 2021 Aug;36(4):385-392. doi:
[10.1017/S1049023X21000583](https://doi.org/10.1017/S1049023X21000583).

PAROS New Studies ...

Study	Study Lead
Evaluating variable importance in out-of-hospital cardiac arrest: an interpretable machine learning approach	Liu Nan, Singapore (liu.nan@duke-nus.edu.sg)
The Asian EMS personnel preparedness in response to OHCA during the COVID 19 Pandemic	Patrick Joseph G. Tiglao, Philippines (patrick.tiglao@gmail.com)



Members who would like to collaborate may contact the respective study lead or Patricia Tay, patricia.tay@scri.cris.sg.

Past Event ...

In collaboration with SingHealth and Temasek Foundation, PAROS launched the Temasek Foundation-SingHealth–Pan-Asian Resuscitation Outcomes Study Systems Improvement Program (SIP) on 21st May 2022. The event was held virtually as well as in-person in Singapore at the Academia.

The SIP comprised an EMS public forum (Hero with A Heart: Push A Button, Save A Life) in the morning and a seminar (Systems Improvement for Better Outcomes Among Out-of-hospital Cardiac Arrest Patients) in the afternoon. The day ended off with a closed door PAROS EXCO meeting.



Launch of Temasek Foundation-SingHealth–Pan-Asian Resuscitation Outcomes Study Systems Improvement Program

Past Event ...

Highlights of the PAROS EXCO Meeting



PAROS EXCO Meeting



Dr Patrick from Philippines presenting his study proposal



Dr Rujaporn from Thailand sharing about their RA10 steps initiatives



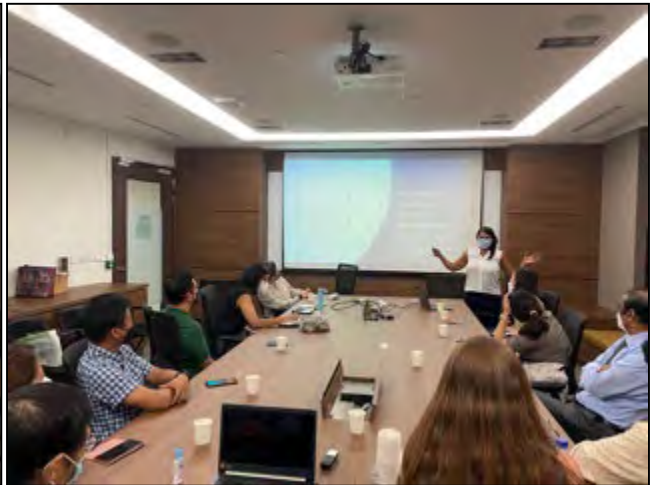
Dr Ramana Rao from India sharing about their RA10 steps initiatives

Past Event ...

Prior to the SIP on 21st May 2022, we also conducted a small discussion session on 20th May 2022, attended by our PAROS EXCO members from Malaysia, Thailand, Philippines, Indonesia and India. The aim of the session was to develop a pre-hospital systems evaluation toolkit for LMICs. This toolkit will include a list of quality indicators for pre-hospital systems to have to reduce mortality in 3 time sensitive domains of cardiovascular emergencies, trauma and perinatal mortality.



Opening by Prof Marcus Ong



Introduction to the study by Dr Gayathri



Meeting participants



Dinner after the meeting

Upcoming Event ...

<< Save the date 1 >>



12th Asian Conference for Emergency Medicine

Host Country: Philippines
Host Organization: Philippine College of Emergency Medicine

DATE: April 28 - 30, 2023

<< Save the date 2 >>



Due to the global Covid-19 situation, the EMS Asia 2020 has been postponed to July or Nov 2023 (TBC) in Tokyo, Japan.

For more details, please access the link,

<https://site2.convention.co.jp/j/sem23/english/>

Joining PAROS ...



To become one of us, please go to:

<http://www.scri.edu.sg/crn/pan-asian-resuscitation-outcomes-study-paros-clinical-research-network-crn/members/> to download the registration form. Kindly submit the completed form to patricia.tay@scri.cris.sg.

If you have any feedback or would like to feature updates on OHCA, pre-hospital emergency care, EMS, etc. from your country in the PAROS Bulletin, kindly write to Ms Patricia Tay, PAROS secretariat, at patricia.tay@scri.cris.sg.