



# PAROS BULLETIN

Volume 12 • Issue 2 • Dec 2022

## Announcement ...

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## PAROS 2 Data open for secondary analysis

**PAROS Website:**  
<http://www.scri.edu.sg/scr/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](mailto:maeve.pek@duke-nus.edu.sg) or Shahidah, [nur.shahidah@duke-nus.edu.sg](mailto: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](mailto:patricia.tay@scri.cris.sg).

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



# PAROS Publications 2022 ...



## 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.*

### Congrats to the team

The Global Emergency Medicine Literature Review (GEMLR) have selected the PAROS 2 main paper as one of the top global emergency medicine articles



## **Air quality and the risk of out-of-hospital cardiac arrest in Singapore (PAROS): a time series analysis**

Andrew Fu Wah Ho, Jamie S Y Ho, Benjamin Yong-Qiang Tan, Seyed Ehsan Saffari, Jun Wei Yeo, Ching-Hui Sia, Meng Wang, Joel Aik, Huili Zheng, Geoffrey Morgan, Wilson Wai San Tam, Wei Jie Seow, Marcus Eng Hock Ong, PAROS Singapore Investigators

*Lancet Public Health*. 2022 Nov;7(11):e932-e941. doi: 10.1016/S2468-2667(22)00234-1.

## **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*. 2022 Jul;176:9-18. doi: 10.1016/j.resuscitation.2022.04.018. Epub 2022 Apr 26. PMID: 35483494

## **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 May 6;48:101422. doi: 10.1016/j.eclinm.2022.101422. eCollection 2022 Jun.

## **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>

# *Past Event ...*

## **Resuscitation Academy & Pre-hospital Emergency Care Systems Evaluation Toolkit (PECSET)**

10-12 Nov 2022

Singapore

PAROS together with the Unit for Pre-Hospital Emergency Care (UPEC) hosted the Resuscitation Academy & Pre-hospital Emergency Care Systems Evaluation Toolkit (PEC SET) workshop from 10 Nov to 12 Nov 2022 at the NTU Alumni House in Singapore. The workshop was attended by more 30 representatives from LMICs.

The Resuscitation Academy was founded in 2008 in Seattle with the goal to improve cardiac arrest survival. Its tag line is “Improving cardiac arrest survival, one community at a time.” The Resuscitation Academy workshop is dynamic and engaging, and includes didactic lectures, demonstrations, hands-on breakout sessions, etc. Faculty of the Resuscitation Academy Workshop in Singapore includes both local and overseas experts (Seattle).

For PECSET workshop, the aim is to try and develop the prehospital emergency care system evaluation toolkit for LMICs. Prior to the meeting in Nov 2022, everyone’s involvement will consist of an online engagement via zoom and Delphi style survey via email. The Nov 2022 meeting will be the consensus meeting to decide on the quality indicators for the toolkit.





# Past Event ...

## Highlights of the Workshop



Resuscitation Academy



PECSET: Discussion, discussion and more discussion...

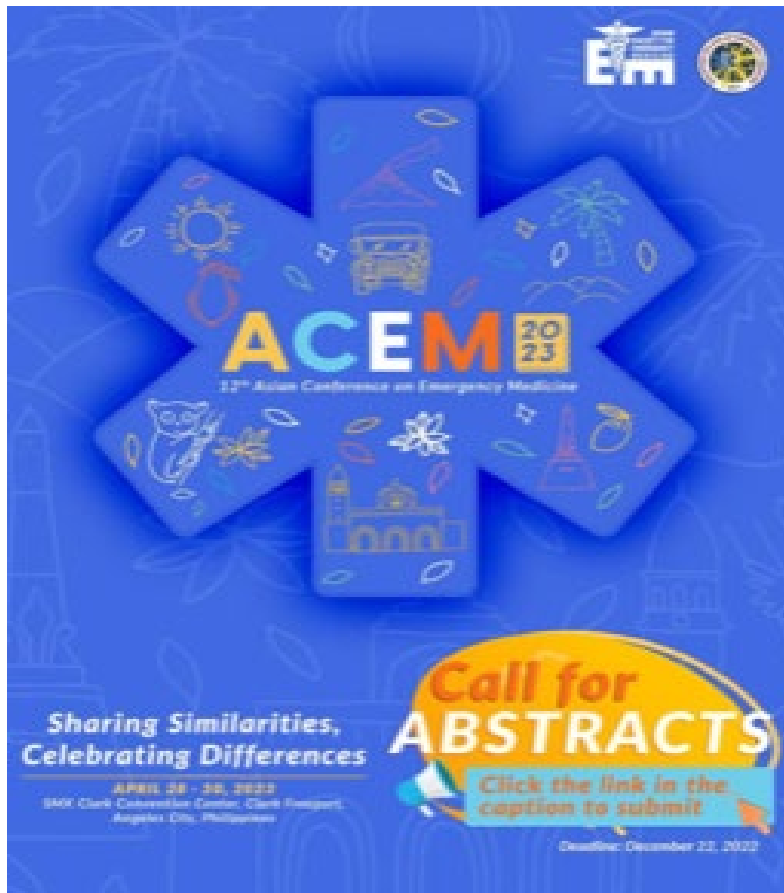


Presenting the discussion

Finally... Some fun at the end of the workshop ☺

# *Upcoming Event ...*

<< Save the date >>



## 12th Asian Conference for Emergency Medicine

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

DATE: April 28 - 30, 2023

For more details:

<https://events.vx-events.com/events/acem2023>

## *Joining PAROS ...*

WELCOME

WELCOME

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](mailto: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](mailto:patricia.tay@scri.cris.sg).

**2023**  
**HAPPY NEW YEAR**