

Resuscitation Academy (RA) 10-Step Implementations in the PAROS Group

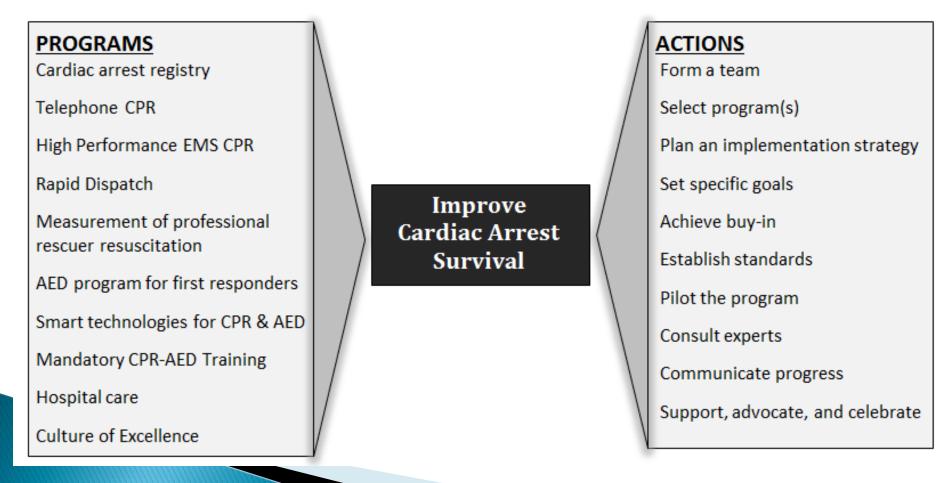
Prof Marcus Ong

Open_3.1_PAROS GRA 10 Steps Study Overall Updates

Resuscitation Academy Model to Improve Community Survival Rates



10 Programs & 10 Actions to operationalize scientific understanding





Project Title:

Resuscitation Academy (RA) 10-Step Implementations in the Pan-Asian Resuscitation Outcomes Study (PAROS) group

Hypothesis:

We hypothesize that the implementation of RA's 10step recommendations for OHCA will increase survival rate in PAROS participating countries.

Grant period:

Laerdal Grant start - Jun 2016 Laerdal Grant end - Jun 2019 Request for grant extension

8 Countries awarded the grant to implement their choice of RA 10-steps over a period of 2yrs



-- Total of 4 disbursement half yearly upon satisfactory progress report

Recipient of funding	Disbursement status				
China - Zhejiang Provincial People's Hospital	3 rd disbursement Dec 2018; progress report due Jun 2019				
India - GVK Emergency Management and Research Institute	3 rd disbursement Dec 2018; progress report due Jun 2019				
Vietnam - Bach Mai Hospital	2 nd disbursement July 2018; progress report due				
Malaysia - College of Emergency Physicians, Academy of Medicine of Malaysia	In progress 3 rd disbursement				
Pakistan - Aga Khan Hospital	In progress 3 rd disbursement				
Philippines - Southern Philippines Medical Center	3 rd disbursement Dec 2018; progress report due Jun 2019				
Indonesia - Faculty of Medicine, Universitas Brawijaya	Grant awarded in 2018, MOU signing				
Thailand - Narenthorn EMS Center, Rajavithi Hospital	Grant awarded in 2018, In progress 1 st disbursement				

China status

- May 2017 – Sep 2018



RA Steps	Progress							
Step 1	Total of 1502 OHCA calls and 1249 cases witnessed contributed by 22 hospitals							
Step 2	2 DA-CPR workshop conducted and 45 dispatchers trained							
	Review and feedback done 1-2monthly by directors of the dispatch centre							
Step 3	100 EMT trained in HP-CPR							
	Review & evaluation system in setup phase							
Step 4	Previous dispatch time: 13.6min							
	Current dispatch time: data collection phase							
Step 7	Smartphone application implemented in some cities of Zhejiang province.							
	Take up rate is low 30-40 downloads							
	Around 20 cases where bystander are being activated by the App							
Step 8	8 CPR & AED training conducted in schools and communities							
Step 10	established a protocol for all EMTs and paramedics in Zhejiang Province about							
	on-going education and training							

India status

- May 2017 – Sep 2018



RA Steps	Progress								
Step 1	Total of 784 OHCA calls and 57 cases witnessed contributed by Telangana								
Step 2	18 trainers from the GVK EMRI faculties have been trained								
	60 dispatchers trained and regular refresher course conducted in small group of 5								
	CPR instructions translated to local language								
	Video made to educate the public on DA-CPR								
	Review of calls received twice a week								
Step 4	Previous dispatch time 120 sec								
	Current dispatch time 90 sec								
Step 6	Total of 476 first responder, volunteers and staffs across 7 different organisation been								
	trained in CPR & AED								
Step 7	108 application launch in Gujarat, GVK EMRI (no data collected yet)								
	Other smart technology in development								
	1. Call ambulance application								
	2. Drone system to get an AED								
Step 8	Proposal to the state government to implement CPR training as part of the curriculum at 8^{th}								
	standard and above level								
Step 10	Standard protocols and training for EMTs and Paramedics; Dedicated ERC Physician will								
	monitor the OHCA; Dedicated T CPR Desk; Evidence-based practice; Refresher Training with								
	low dose high frequency; Celebrate the success – life savior awards								

Malaysia status

- Jun 2017 – Jun 2018



RA Steps	Progress
Step 1	Total number of 367 OHCA calls and 208 cases witnessed contributed by 5 active sites
Step 2	3 DA-CPR workshop conducted and 60 dispatchers trained Monthly feedback and review system on the calls in placed
Step 3	8 high performance CPR training conducted and 260 EMT trained Distribution of defibrillator with capture capability is ongoing
Step 4	Previous dispatch time: within 3mins for 90% Current dispatch time: within 2mins for 80% Improvement plan is in discussion at national level
Step 6	Total of 300 first responder trained in 5 CPR & AED training sessions
Step 7	Pilot project in the Penang Island 26 cases activated by the Smart technologies over the reporting period
Step 8	A state initiative in Penang, district approach in Perak and approaching into Selangor Total of 8000 students trained

Pakistan status

- Nov 2017 - Nov 2018



RA Steps	Progress							
Step 1	Total number of 422 OHCA calls contributed by 4 Hospital and 1 EMS centre							
Step 2	Implementing phase							
Step 3	Training materials developed and translated to local language 13 master trainers trained 3 sessions conducted with 62 EMT trained							
Step 7	Collaborating with the GoodSam app 544 GoodSam users have been trained in CPR							

Philippines status

- July 2017 – Sep 2018



RA Steps	Progress								
Step 1	Total number of 70 OHCA calls contributed by 1 site								
Step 2	2 DA-CPR workshop conducted and 110 dispatchers trained								
	Monthly review system on the calls in placed								
	Video made to educate the public on DA-CPR								
Step 3	3 high performance CPR training conducted and 132 EMT trained								
Step 4	Previous dispatch time: 5mins 44secs								
	Current dispatch time at 4mins 18secs								
Step 6	Total of 1000 first responder trained in 49 CPR & AED training sessions								
Step 7	In discussion with private developer for smart technology application involving								
	locating first responder and AED								
Step 8	National law to conduct CPR & AED trainings in school								
	Nationwide Mass Training on CPR was held last July 16, 2018; teachers and students								
	from Grades 4,5 and 6 of the Davao City Special Education School were trained								
Step 10	Implemented that ROSC rates and CPR review are reported in our monthly audits								

Vietnam status

- Jun 2017 – Dec 2018



RA Steps	Progress
Step 1	Total number of 140 OHCA calls and 93 cases witnessed contributed by 10 sites
Step 2	In planning phase

Note: Changes in the higher management and re-organization of staffs , thus progression has been delayed

Indonesia status

RA Stens

- Grant awarded in 2018; MOU signing phase

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Others	• To establish a Paramedicine Program for the nurses in Malang, East Java,
	Indonesia.
	• The program will train the nurses on prehospital care and the RA's 10-step
	recommendations to improve OHCA survival will be part of the course.
	Brawijaya University will be working with the Singapore General Hospital
	and the Unit for Prehospital Emergency Care (UPEC) of Singapore to develo
	the program.

Pronosal

Thailand status

- Grant awarded in 2018; Pending 1st disbursement

Country	Choice of RA 10-Steps Implementation									
	1	2	3	4	5	6	7	8	9	10
Thailand		\checkmark								



Thank You