


**PAN-ASIAN RESUSCITATION OUTCOMES STUDY
EVENTS**

DUBAI, AMIRIYAH ARAB BERSATU

15-17 APRIL 2012

**PROF. MADYA NIK HISAMUDDIN NIK AB. RAHMAN
PPSP**




EMS ASIA 2012
Penang, Malaysia

10 - 11 Sept 2012
Safety & Quality in Pre-Hospital Care

EMS ASIA 2012 PENANG


“SAFETY AND QUALITY IN EMS”
10th – 11th September 2012
Bayview Beach Hotel & Resort, Penang, Malaysia




EMS ASIA 2012
Penang, Malaysia

10 - 11 Sept 2012
Safety & Quality in Pre-Hospital Care


ORGANIZERS




MINISTRY OF HEALTH
MALAYSIA



HOSPITAL PULAU PINANG



Asian EMS Council
Asian Emergency Medical Services Council



St. John Ambulance of Malaysia,
State of Penang

 **EMS ASIA 2012**
Penang, Malaysia

10 - 11 Sept 2012
Safety & Quality in Pre-hospital Care

SCIENTIFIC COMMITTEE INTERNATIONAL

1. Associate Professor Dr Marcus Ong
(Singapore)
2. Dr Matthew Ma (Taiwan)
3. Professor Dr Hideharu Tanaka (Japan)


 **Asian EMS Council**
Asian Emergency Medical Services Council

 **EMS ASIA 2012**
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SCIENTIFIC COMMITTEE MALAYSIAN

- Dr Sarah Abdul Karim
- Dr Teo Aik Howe
- Dr Sabariah Faizah Jamaluddin
- Associate Professor Dr Nik Hisamuddin Nik Abdul Rahman
- Associate Professor Ismail Saibon
- Dr Khairi Kassim
- Dr Wee Tong Ming
- Dr Mawar Ayub
- Dr Alzamani Idrose
- Dr Rosidah Ibrahim



10 - 11 Sept 2012
Safety & Quality in Pre-hospital Care

PRE-CONFERENCE WORKSHOP

8TH – 9TH SEPTEMBER 2012


1. EMS MEDICAL DIRECTOR'S COURSE (MALAYSIA)
 - Asia EMS Council and NAEMS-P
2. ADVANCED LIFE SUPPORT
 - Penang Resuscitation Council
3. PATIENT CARE AND HANDLING WORKSHOP
 - St John Ambulance Malaysia and Australia



10 - 11 Sept 2012
Safety & Quality in Pre-hospital Care

TRACKS AND THEMES


- Medical Track
 - **Theme: Safety and Quality Emergency Care**
 - 3 speakers (1 Malaysia + 2 PAROS)
 - **Theme: Issues and Solutions in Transporting Children**
 - 3 speakers (2 Malaysia + 1 PAROS)
- Trauma Track
 - **Theme: Advances in Trauma Care**
 - 3 speakers (2 Malaysia + 1 PAROS)



10 - 11 Sept 2012
Safety & Quality in Pre-hospital Care

TRACKS AND THEMES


- Major Incident Management
 - *Theme: Safety in Times of Disaster*
 - *3 Speakers (1 Malaysia + 2 PAROS)*
- Major Events Coverage
 - *Theme: Safety in Times of Peace*
 - *3 Speakers (All Malaysia)*
- Emergency Dispatch
 - *Theme: Gatekeepers of the EMS*
 - *3 speakers (1 Malaysia + 1 PAROS + Jerry Overton)*



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SPECIAL TRACK PARAMEDICS ONLY


- Paramedics Around Asia
 - Theme: *“This is Me – Review of Systems around ASIA”*
 - *Speaker: 1 Malaysia + 2 PAROS*
 - Theme: *Learning from Friends*
 - *Speaker: Speaker 1 Malaysia + 2 PAROS*



SPECIAL TRACK

AMBULANCE SAFETY AND ERGONOMICS

- Introduction to the
 - ASIA CONCENSUS MEETING on AMBULANCE SAFETY AND ERGONOMICS
- Delegates for consensus meeting:
 - PAROS Exco Members
 - Special Invited Speakers
- Each delegate or team will present on assigned topic
 - Presentation will be open for conference participants to attend as symposium topic.
- After presentation, delegate will meet for consensus discussion (closed door session)



PAROS EXCO CONTRIBUTION

1. Present in special track.
 - Ambulance Safety and Ergonomics Track
2. Present again in track of choice
3. Participate actively in consensus meeting
4. Not forgetting
 - Get paramedic to join in the conference as participants
 - Nominate paramedic to speak in Special Track Paramedics Only!
 - Submit free papers and posters during conference.

SEE YOU IN PENANG



DUBAI 2012 EMS LEADERS AND MEDICAL DIRECTORS WORKSHOP (TENTATIVE PROGRAMME)

Date: 15 – 16 April 2012

Time: 0800hr – 1830hr (15 April 2012) / 0800hr – 1630hr (16 April 2012)

Venue: TBC

DAY 1		
TIME	TOPIC	SPEAKER
0800h	Welcome and Registration	GY Naroo / Marcus Ong
0830h	Opening Speech	GY Naroo
0840h	EMS Medical Direction: An Overview <ul style="list-style-type: none"> • What is Medical Direction • Why do we need Medical Direction? • Describe the role of the EMS Medical Director in establishing the standard and philosophy of care • Discuss the role of the EMS Medical Director in credentialing providers • Direct vs Indirect Oversight • Describe the role of the EMS Medical Director in system oversight 	Marcus Ong
0940h	Break	
0955h	Essential Elements of EMS <ul style="list-style-type: none"> • Compare and contrast EMS Systems • Hospital based, Fire EMS and Independent service systems • Physician vs Nurse vs Paramedic/EMT systems • Describe the relationship of the "system" to its environment • List the important structural attributes associated with EMS system design • Discuss the role of the EMS Medical Director in system design and maintenance 	Brent Myers
1055h	EMS Dispatch Fundamentals <ul style="list-style-type: none"> • Describe EMS Dispatch components • Identify steps involved in EMS dispatch • Elements of Call prioritization, Call allocation, Call dispatching and Pre- arrival instructions • Quality and audit in dispatch • Describe EMS Medical Directors involvement in EMS dispatch 	Ng Yih Yng
1210h	Lunch	
1310h	Measuring EMS System Function: Performance Measures & Benchmarking <ul style="list-style-type: none"> • Define "Benchmarking" and develop a working knowledge of the data points needed prior to initiating a benchmarking project • Provide an overview of a process that can be used to compare performance indicators with other EMS systems • Review examples of and results from clinical and economic recent EMS Benchmarking studies 	Omar Al Sakaf

1410h	EMS Protocol Development Small group discussions	Patrick Ko Pairoj Khruerkarnchana Bryan McNally Omar Al Sakaf Gan Han Nee Ng Yih Yng
1610h	Review and comments	
1615h	BREAK	
1630h	Data and QI Concepts <ul style="list-style-type: none"> Describe the basic components of an EMS information system. Compare and contrast medical versus industrial philosophies of quality management Identify critical elements for successful implementation of a quality management program. Define and differentiate common quality improvement terms and strategies Discuss strategies for developing a QI program List common problems encountered in QI programs, and discuss ways to overcome them 	Matthew Ma / Patrick Ko
DAY 2		
0800h	Registration	
0830hr	EMS Training and Education <ul style="list-style-type: none"> Physician vs Nurse vs Paramedic/EMT systems Level of Providers and Skill sets Discuss the evolution of EMS training systems, syllabus and accreditation EMS Medical Protocols Continuing EMS Education and Re-certification Maintaining quality in training Describe the role of the EMS Medical Director in EMS education 	Hideharu Tanaka
0930h	EMS Research and Research Updates <ul style="list-style-type: none"> Discuss the unique considerations impacting research in the pre-hospital setting Describe state of the art research in EMS therapeutics including: <ul style="list-style-type: none"> Airway management & monitoring Cardiac arrest care & monitoring Trauma care 	Tatsuya Nishiuchi
1030h	Break	
1045h	Practical Issues in Medical Direction (Group Discussion) <ul style="list-style-type: none"> Ambulance diversion Refusal of medical assistance Handling medicolegal cases Handling the media EMS and the community Case Studies in Medical Direction 	Main Facilitator: Nik Hisamuddin Gan Han Nee Pairoj Khruerkarnchana Omar Al Sakaf Benjamin Leong Marcus Ong
1215h	Lunch	

Trial Coordinating Centre / Secretariat

Singapore Clinical Research Institute Pte Ltd (Reg No: 200812355Z)

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1315h	Practical Issues in Medical Direction (Group Discussion) <ul style="list-style-type: none">• Ambulance diversion• Refusal of medical assistance• Handling medicolegal cases• Handling the media• EMS and the community• Case Studies in Medical Direction	Main Facilitator: Nik Hisamuddin Gan Han Nee Pairoj Khruengkarnchana Omar Al Sakaf Benjamin Leong Marcus Ong
1445h	Break	
1500h	Fundamentals of Disaster Preparedness <ul style="list-style-type: none">• Discuss the role of the EMS Medical Director in ensuring an effective and well-integrated disaster response• Differentiate the three areas of disaster response: activation, implementation and recovery• Describe the elements of Incident Management System (IMS)	Kyoung Jun Song
1600h	Course Review, Comments and Closing	Marcus Ong

SCIENTIFIC PROGRAMME FOR PRE-HOSPITAL EMERGENCY CARE SYMPOSIUM (TENTATIVE PROGRAMME) (Conducted in parallel with EMS Leaders & Medical Directors Workshop)

Date: 15 – 16 April 2012

Time: 0800hr – 1700hr

Venue: TBC

Day 1 (Trauma) 15 April 2012			
Programme Co-Directors: Prof Hideharu Tanaka / Dr Naroo			
Chairperson: Dr Mike, Head of ED, Rashid Hospital			
Co-Chairperson: Dr Abdul Rehman Mohammad, Head of ED, Welcare Hospital			
0830hr Welcome and Registration			
0830hr		Opening Remarks	
0835hr	Lecture	Epidemiology of Trauma	Speaker: Brent Myers (USA)
0900hr	Lecture	Trauma ABCDE	Speaker: Kyoung Jun Song (Korea)
0930hr	Lecture	Trauma Shock and Resuscitation	Speaker: Hideharu Tanaka (Japan)
1000hr COFFEE / TEA Break			
1030hr	Lecture	Head Trauma	Speaker: Dr Zafar (UAE)
1100hr	Lecture	Chest Trauma	Speaker: Dr Talha (UAE)
1130hr	Lecture	Abdominal and Pelvic Trauma	Speaker: Dr Abdul Rehman Mohammad(UAE)
1200hr LUNCH Break			
Afternoon Session (Divide into 4 groups)			
	Skill Station for EMS Provider EMS Provider (8 attendees per group x 5)		Skill Station for Medical Director Medical Director (7 attendees per group x 3)
Instructors	Brent Myers Kyoung Jun Song Benjamin Leong Mohammad Adil Marwan King		Kentaro Kajino Hideharu Tanaka Nik Hisamuddin
1300hr	Trauma assessment		Trauma assessment
1330hr	Spinal immobilisation		Spinal immobilisation
1400hr Break			
1415hr	Rapid Extrication		Surgical Airway
1445hr	Helmet removal and neutral position		Chest and Cardiac Decompression
1515hr Break			
1530hr	Medical Treatment (Chest seal, flail chest)		FAST and IOI
1600hr	Pelvic stabilization and abdominal wrapping		Pelvic stabilisation
(1600hr – 1700hr) END OF DAY 1 BRIEFING			

Day 2 (Medical) 16 April 2012

Programme Co-Directors: Dr Sang Do Shin / Dr Naroo

Chairperson: Dr Mahmood Ghanaim, Head of ED, Dubai Hospital

Co-Chairperson: Dr Ihab, Head of ED, Medcare Hospital

0800hr Welcome and Registration

0830hr		Opening Remarks	
0835hr	Lecture	Improving outcomes of OHCA by Dispatch CPR - Importance of bystander CPR - Education and training of bystander- needs time and budget - EMS dispatch-early intervention period - Dispatch CPR- hands only compression CPR by lay person - Improving outcomes in many communities	Speaker: Sang Do Shin (Korea)
0900hr	Lecture	Hypothermia Treatment in Post Cardiac Arrest – System approach - Change of concept of chain of survival - Post-cardiac arrest care bundles - Hypothermia- theory and practice - Implementation of post resuscitation care system	Speaker: Bryan McNally (USA)
0930hr	Lecture	Which is the best destination hospital - Hospital destination criteria for OHCA - Bypassing versus nearest hospital - Primary resuscitation center - Tertiary resuscitation center	Speaker: Dr Moin Fikree (UAE)

1000hr COFFEE/TEA Break

1030hr	Lecture	Special resuscitative effort for heat stroke - Heat stroke incidence and outcomes in UAE - Pathophysiology of heat stroke - Resuscitation effort in heat stroke - Special CPR in heat stroke	Speaker: Dr Tarik (UAE)
1100hr	Lecture	Resuscitation termination and withdrawal - How long resuscitate OHCA victims? - TOR rule in BLS - TOR rule in ALS - Ethical issues	Speaker: Matthew Ma (Taiwan) / Bryan McNally (USA)
1130hr	Lecture	Anticipating complication of chest pain in the pre-hospital era - Recognizing cardiac chest pain - What is simulate angina - Activating ACS pathway	Speaker: Dr Shajee (UAE)
1200hr	Special lecture	Community intervention for improving resuscitation outcomes in Arizona, USA - Comprehensive intervention program: SHARE - Hands Only CPR for bystanders - Minimally interrupted cardiac resuscitation for EMS - Cardiac resuscitation center for hospital	Speaker: Bentley Bobrow (USA)

1230hr LUNCH Break

Afternoon Session (Divide into 4 groups)

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	Topic 1	Topic 2	Topic 3	Topic 4
	Post resuscitation care and destination hospital	Dispatch CPR to improve outcomes of OHCA	Special care and resuscitation for heat stroke	Termination criteria and continuous CPR for transportation
Instructor	Bryan McNally / Dr Moin Fikree	Sang Do Shin / Dr Ihab	Dr Tarik / Dr Naroo	Matthew Ma / Dr Shajee / Dr Nishiuchi
1330hr	A1 (15 attendees)	A2 (15 attendees)	B1 (15 attendees)	B2 (15 attendees)
1420hr COFFEE/TEA Break				
1450hr	A2 (15 attendees)	A1 (15 attendees)	B2 (15 attendees)	B1 (15 attendees)
(1600hr – 1700hr) END OF DAY 2 BRIEFING Presentation by a representative of each group				



Improving Outcomes from Pre-hospital and Emergency Care across the Asia-Pacific

AGENDA FOR PAROS EXCO MEETING

Date: 17 April 2012
Time: 8am – 10.30am
Venue: Dubai Corporation for Ambulance Services (DCAS) [Room to be confirmed]

S/N	ITEM FOR DISCUSSION	PRESENTER
1	Data-related Issues <ul style="list-style-type: none"> ▪ Update from Each PAROS Country: <ul style="list-style-type: none"> ○ Status (demo/live version, no. of cases entered) ○ Issues Faced ▪ Data Reconciliation Progress ▪ IRB Register – Approval Status from Each Participating Country ▪ Main Study: Timeline and Data Contribution 	Marcus / Shahidah Shahidah Swee Sung Marcus / Swee Sung
2	Publications Committees <ul style="list-style-type: none"> ▪ Updates ▪ Publication Plan for Main study ▪ Progress from Leads for Translation of First Network Manuscript ▪ Updates from OHCA Publications Committee ▪ Updates from EMS Systems Publications Committee ▪ Updates from EMS Survey Publications Committee ▪ Updates from ED Survey Publications Committee ▪ Next Call for: New Proposals and Presentation of Scientific Abstracts 	Marcus Marcus / Bryan Swee Sung Marcus Shin Tanaka Matthew Ma Nishiuchi
3	CARES-PAROS Research Opportunities	Bryan
4	Funding Opportunities <ul style="list-style-type: none"> ▪ Budgeting Process (for Discussion) ▪ Prospective Funding Sources: <ul style="list-style-type: none"> ○ Medtronic's HeartRescue Grant ○ Falck Foundation Grant 	Marcus / Swee Sung Marcus / Swee Sung
5	Updates from NAEMSP Asian Relations Committee <ul style="list-style-type: none"> ▪ Incoming Chair: Prof Hideharu Tanaka ▪ NAEMSP Asian Relations Liaison Person: Dr Brent Myers ▪ Discussion Points from Arizona Meeting (Jan 2012) ▪ Activities – Past Recent, Current & Upcoming, For Consideration 	Tanaka / Myers Tanaka / Myers Tanaka / Myers Tanaka / Myers
6	Upcoming Meetings <ul style="list-style-type: none"> ▪ Penang, Malaysia (8 – 11 Sep 2012) ▪ Kyoto, Japan (10 – 13 Nov 2012) 	Nik Nishiuchi
7	PAROS Participating Countries <ul style="list-style-type: none"> ▪ Prospective: <ul style="list-style-type: none"> ○ China ○ Pakistan ○ Indonesia ▪ Suspension: <ul style="list-style-type: none"> ○ Australia ○ Turkey 	Marcus / Bryan Junaid Razzak Ali Haedar Marcus
8	AOB	

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Cut off for ePAROS data Submission
 → June 2012
 → Data cleaning



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	▪ Update from Each PAROS Country: <ul style="list-style-type: none"> ○ Status (demo/live version, no. of cases entered) ○ Issues Faced 	Marcus / Shahidah
	▪ Data Reconciliation Progress	Shahidah
	▪ IRB Register – Approval Status from Each Participating Country	Swee Sung
	▪ Main Study: Timeline and Data Contribution	Marcus / Swee Sung
2	Publications Committees	
	▪ Updates	Marcus
	▪ Publication Plan for Main study	Marcus / Bryan
	▪ Progress from Leads for Translation of First Network Manuscript	Swee Sung
	▪ Updates from OHCA Publications Committee	Marcus
	▪ Updates from EMS Systems Publications Committee	Shin
	▪ Updates from EMS Survey Publications Committee	Tanaka
	▪ Updates from ED Survey Publications Committee	Matthew Ma
▪ Next Call for: New Proposals and Presentation of Scientific Abstracts	Nishiuchi	
3	CARES-PAROS Research Opportunities	Bryan
4	Funding Opportunities	
	▪ Budgeting Process (for Discussion)	Marcus / Swee Sung
	▪ Prospective Funding Sources: <ul style="list-style-type: none"> ○ Medtronic's HeartRescue Grant ○ Falck Foundation Grant 	Marcus / Swee Sung
5	Updates from NAEMSP Asian Relations Committee	
	▪ Incoming Chair: Prof Hideharu Tanaka	Tanaka / Myers
	▪ NAEMSP Asian Relations Liaison Person: Dr Brent Myers	Tanaka / Myers
	▪ Discussion Points from Arizona Meeting (Jan 2012)	Tanaka / Myers
	▪ Activities – Past Recent, Current & Upcoming, For Consideration	Tanaka / Myers
6	Upcoming Meetings	
	▪ Penang, Malaysia (8 – 11 Sep 2012)	Nik
	▪ Kyoto, Japan (10 – 13 Nov 2012)	Nishiuchi
7	PAROS Participating Countries	
	▪ Prospective: <ul style="list-style-type: none"> ○ China ○ Pakistan ○ Indonesia 	Marcus / Bryan Junaid Razzak Ali Haedar
	▪ Suspension: <ul style="list-style-type: none"> ○ Australia ○ Turkey 	Marcus
8	AOB	

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Scenarios on Ambulance Diversion

Case 1

You are the medical director of the community EMS service. The region is in a combination of rural and urban area. You are required to set up a new ambulance diversion system for patient in ACS. There is only one tertiary hospital in your region which can provide 24hour PCI service. The average call to arrival time in the urban area is about 8min and that in the rural area is about 18min. Only about 20% of your ambulance crew is fully trained advanced paramedics who have received training in ECG interpretation.

How would you prepare the program and what are the potential difficulties that you may anticipate?

Points for reference:

- Inadequate background ECG knowledge among the ambulance crew
- Need to address the need for ECG training
- The impact in transport time and subsequent effect on the ambulance dispatch is needed to be considered
- Discuss with the receiving hospital for designing the diversion protocol
- Arrange training and briefing for all the paramedics
- Regular audit and monitoring of the diversion

Case 2

You are the medical director of the community EMS system. A trauma diversion system is recently started in order to divert all patients in severe trauma but not in immediate life-threatening condition to be transferred to trauma center for better care. However, you received a number of feedbacks from the local ED about the over-diversion and under-diversion.

How will you handle these feedbacks?

Points for reference:

- Acknowledge the feedback from the respected ED
- Review on the current trauma diversion protocol
- Investigate on the non-compliance cases
- Enhancement of staff training
 - Education on the idea of trauma diversion
 - Use non-compliance case as example to correct mis-conception
- Regular audit to proactively checking for compliance

Case 3

You are the medical director of the community EMS system. The Neurology unit of the University Hospital contacts you to discuss on the establishment of diversion of all suspected stroke patients to their hospital because they have successfully implemented protocol on fibrinolytic therapy for acute ischemic stroke who presented within 4.5 hours from onset of symptoms.

How will you prepare and what are your consideration in the development of the ambulance diversion for suspected stroke patients?

Points for reference:

- The current available resource in terms of number of ambulance
- Impact on diversion:
 - Site of hospital and respected transport time
 - Any need of additional resource required
- Issues on staff training
- Issues on protocol preparation