

出國報告（出國類別：定期會議）

赴菲律賓納卯市參加  
2018 年亞洲緊急醫療救護年會

服務機關：內政部消防署

姓名職稱：李國齡 科長、吳禮安 專員

派赴國家：菲律賓(納卯市)

出國期間：107 年 6 月 16 日至 20 日

報告日期：107 年 8 月 1 日

## 摘要

納卯市（達沃市，亦稱納卯市；英語：Davao City）位處菲律賓南部民答那峨島最重要的城市，位於該島東部，面積 2,433.61 平方公里，常住人口約 1,363,337 人，加上流動人口超過 200 萬，是菲律賓第三大城市。本次 2018 年亞洲緊急醫療救護年會主要由亞洲主要國家每 2 年輪流辦理之大型救護研討會議，今年是第 5 屆亞洲 EMS 會議，參與國家包括臺灣、菲律賓、中國、日本、南韓、新加坡、馬來西亞、越南…等國家。

本次參加之 2018 年亞洲緊急醫療救護年會，今年主要係由菲律賓主辦，並邀請歐、美、日、韓、中國、香港、印度、馬來西亞、越南、土耳其及主辦國菲律賓等國家之講者前來分享各國之 EMS 相關經驗，內文將針對所參加之研究會內容摘要敘述。

本出國報告共分成四個部分，第一部分為本次考察行程準備，第二部分為考察目的，第三部分為考察過程，最後則是本次考察的心得與建議事項。

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## 壹、行程概要

### 一、行程概要

本署為汲取國外救護新知，以提升我國救護品質，本次派員出席 2018 年亞洲緊急醫療救護年會，這是每 2 年舉辦 1 次的亞洲地區 EMS 年度盛會，本次研討會探討多項救護及醫療議題如：各國救護人員教育訓練制度、院前心臟急症新作為、公眾 CPR 教育、院前神經急症、探討院前兒科急症處置作為等議題，除吸收新的救護技術及醫療新知外，並與其他會員國交流救護相關經驗。本次考察行程共計 5 日，本次研討會行程如下表：

表 1 -2018 年亞洲緊急醫療救護年會考察行程

日期	行程
107 年 6 月 16 日	搭機抵達菲律賓馬尼拉，再轉機前往菲律賓南部之納卯市。
107 年 6 月 17 日	參加 2018 年亞洲緊急醫療救護年會
107 年 6 月 18 日	參加 2018 年亞洲緊急醫療救護年會
107 年 6 月 19 日	參加 2018 年亞洲緊急醫療救護年會
107 年 6 月 20 日	搭機返國

### 二、交流方式

- (一) 本次參加之 2018 年亞洲緊急醫療救護年會，由菲律賓主辦國，於戶外場地(納卯市鱷魚公園)辦理 2018 年亞洲區緊急救護競賽 (2018ASIA EMS Competition) 由亞洲各國包含日本、新加坡、馬來西亞等 10 多支隊伍同場競技，互相切磋學習，競賽項目為多重傷病患，評分標準為團隊合作及全英文溝通技巧且能有效率處治患者，臺灣部分並有臺北市政府消防局及新北市政府消防局代表參賽，

藉由實際之情境演練，了解各國 EMT 救護技術人員相關技術之差異性比較，也能為國爭光，讓世界看見臺灣。

(二) 本次參加之 2018 年亞洲緊急醫療救護年會，由菲律賓主辦國邀請歐、美、日、韓、中國、新加坡、加拿大、馬來西亞……等國家之專家學者、急診醫師等前來分享各國之 EMS 及醫療臨床上之相關經驗。

## 貳、目的

近 20 年來，消防機關緊急救護出勤次數平均以 6.62% 持續成長，並於 105 年達到近年最高之 111 萬 7,523 次，106 年首次出現負成長，減幅 1.54%，但也有 110 萬 323 次之高，是 87 年出勤次數 33 萬 6,409 次的 3 倍有餘(如圖 1)，換算下來消防機關平均每天出勤救護案件 3,015 次。在各項緊急救護求救原因中，以車禍受傷 33 萬 725 人次占急救人次 37.10% 最多，其次為急病 32 萬 221 人次占 35.92%，一般外傷及墜落傷 9 萬 1,630 人次占 10.28%，三者合計占 83.30%(如圖 2)。

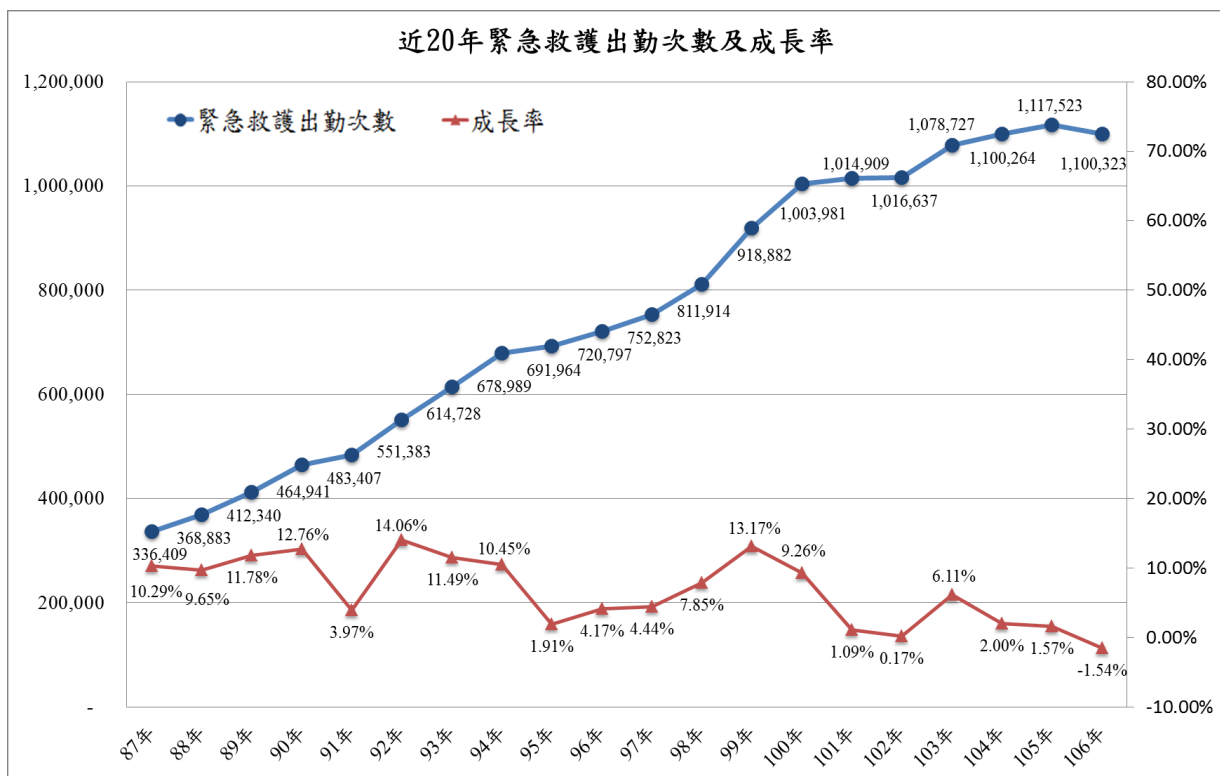


圖 1 近 20 年緊急救護出勤次數及成長率

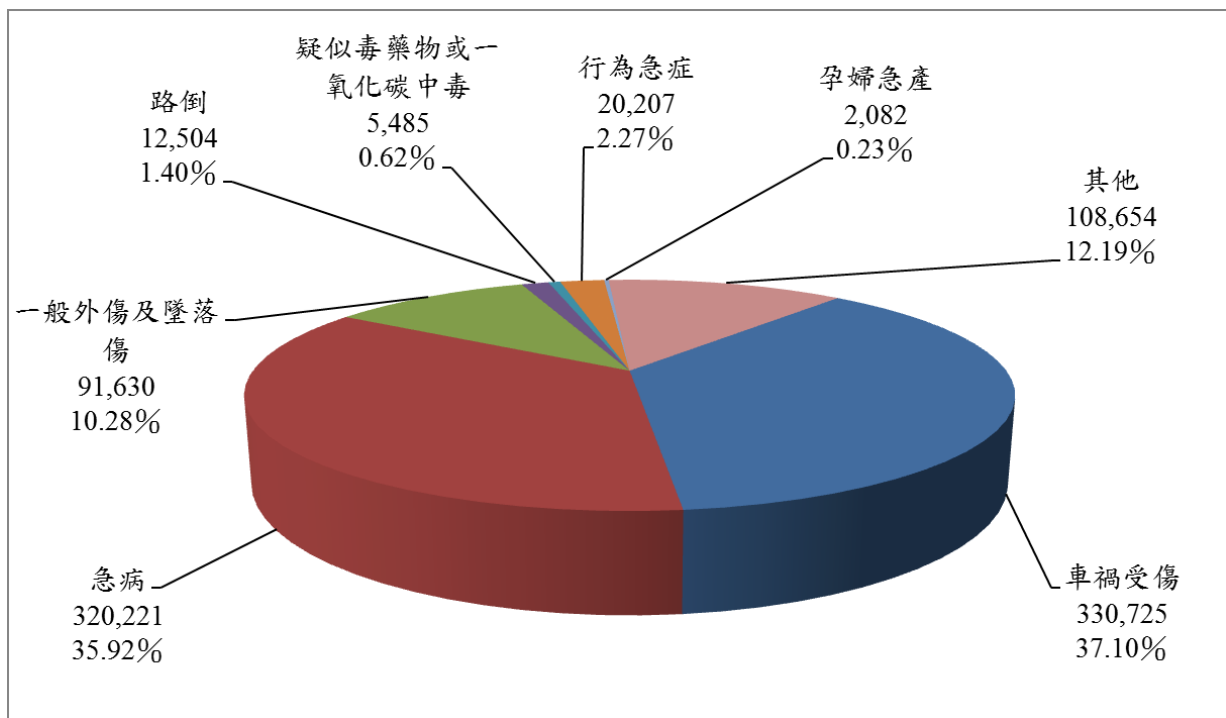


圖 2 106 年緊急救護求救原因比例

另查內政部戶政司統計資料，國內人口成長趨緩，且人口老化速度快，106 年人口成長率創新低僅有 0.13%，65 歲以上老年人口已占 13.86%(如表 2；圖 3、圖 4)，國家發展委員會推估 107 年老年人口將成長到 14.5%，進入高齡社會（65 歲以上達 14%），勢必造成緊急救護需求增加，且高齡患者多數有 3 種以上疾病症狀，也較容易出現危急個案，對救護人員而言判斷難度增加、處置更複雜。因此，在有限的救護資源現況下，非緊急傷病患者使用救護車時可能排擠真正緊急傷病患所需之資源，進而危及生命，希望藉由這篇文章的宣導，呼籲社會大眾珍惜消防救護資源，並善加利用。

表 2 近 20 年人口統計

年別	總人口數	人口成長率	65 歲以上人口數	65 歲以上人口百分比
87 年	21,928,591	0.85%	1,810,231	8.26%
88 年	22,092,387	0.75%	1,865,472	8.44%
89 年	22,276,672	0.83%	1,921,308	8.62%
90 年	22,405,568	0.58%	1,973,357	8.81%
91 年	22,520,776	0.51%	2,031,300	9.02%
92 年	22,604,550	0.37%	2,087,734	9.24%

93年	22,689,122	0.37%	2,150,475	9.48%
94年	22,770,383	0.36%	2,216,804	9.74%
95年	22,876,527	0.47%	2,287,029	10.00%
96年	22,958,360	0.36%	2,343,092	10.21%
97年	23,037,031	0.34%	2,402,220	10.43%
98年	23,119,772	0.36%	2,457,648	10.63%
99年	23,162,123	0.18%	2,487,893	10.74%
100年	23,224,912	0.27%	2,528,249	10.89%
101年	23,315,822	0.39%	2,600,152	11.15%
102年	23,373,517	0.25%	2,694,406	11.53%
103年	23,433,753	0.26%	2,808,690	11.99%
104年	23,492,074	0.25%	2,938,579	12.51%
105年	23,539,816	0.20%	3,106,105	13.20%
106年	23,571,227	0.13%	3,268,013	13.86%

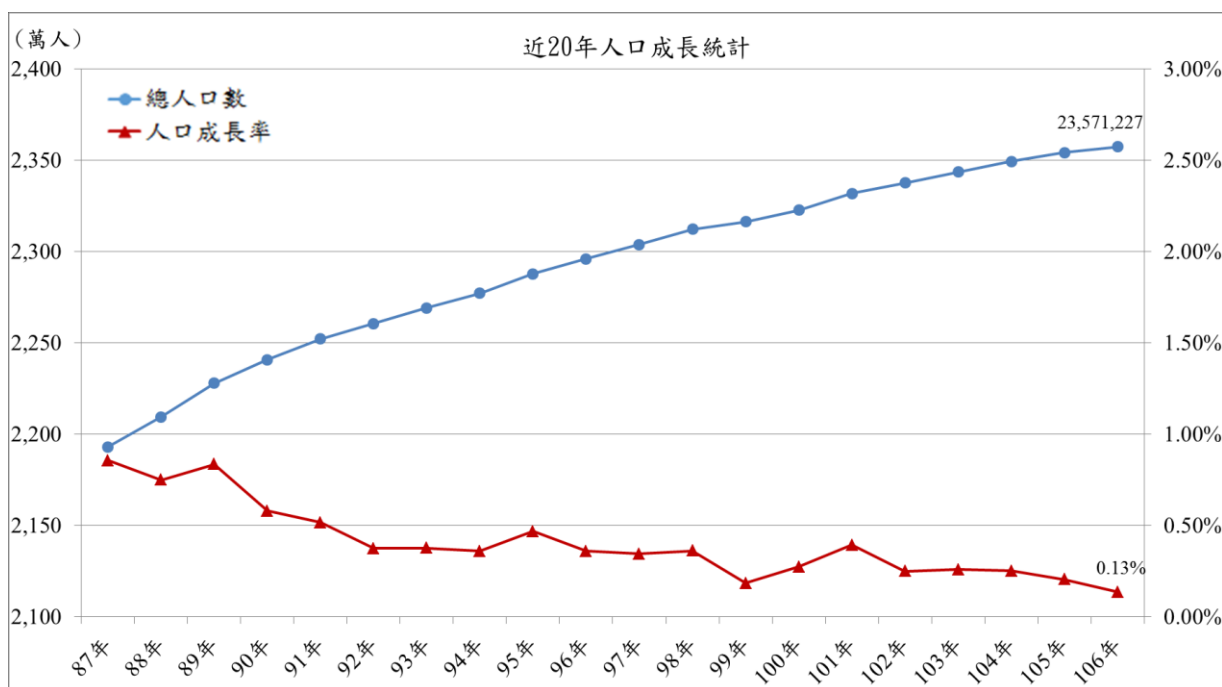


圖3 近20年人口成長統計

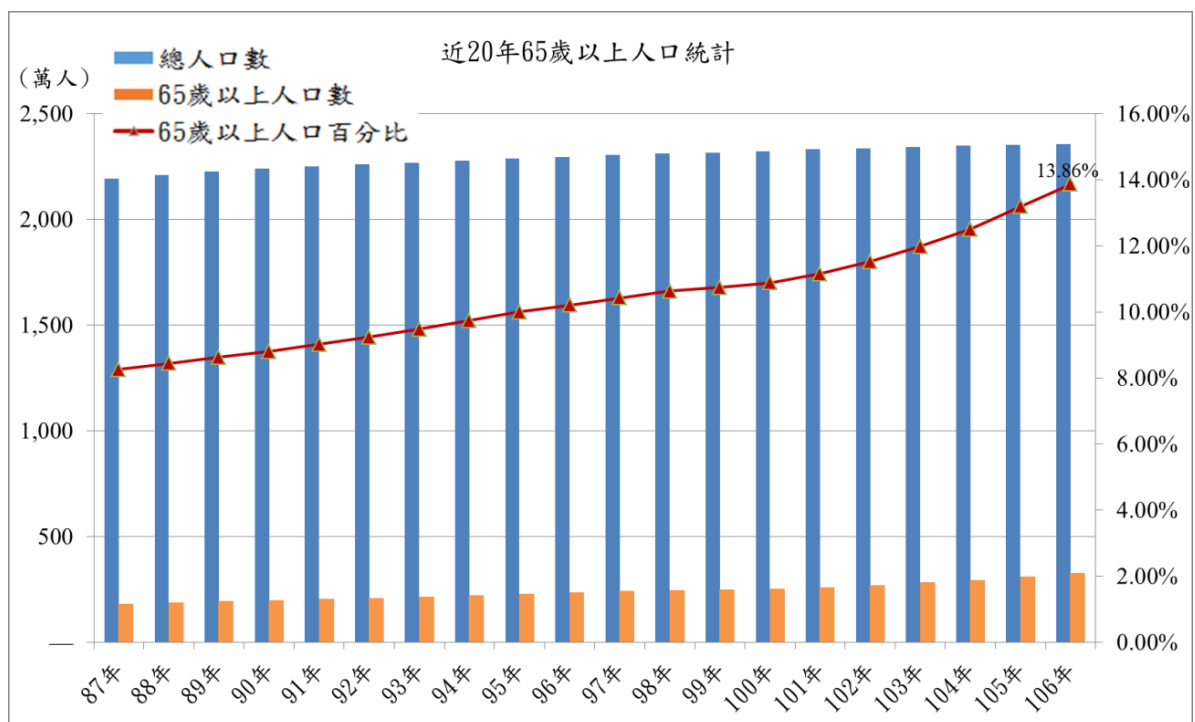


圖 4 近 20 年 65 歲以上人口統計

為因應未來緊急救護業務之推展，實有瞭解國際各國 EMS 發展現況、緊急救護制度、相關作業流程及緊急救護相關訓練……等，藉以做為我國政策規劃之參考。




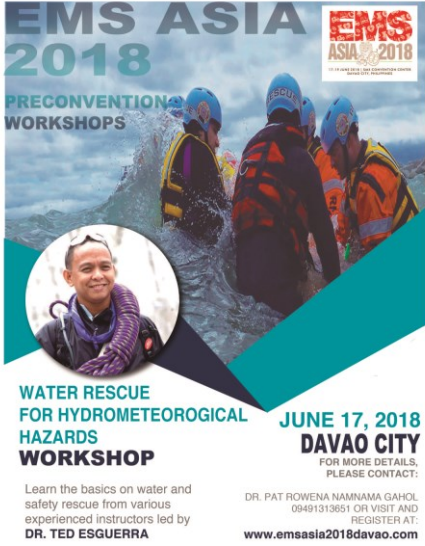
## 參、過程


第 5 屆 2018 亞洲緊急醫療救護年會 (EMS Asia 2018) 於 107 年 6 月 17 日至 19 日在菲律賓納卯市國際會議中心 (SMX Convention Center) 舉辦，並於 18 日 9 時舉行開幕式。本屆亞洲緊急醫療救護年會由菲律賓主辦，以大規模傷亡事故管理事故指揮系統、醫療、到院前創傷生命支持、水域救援、荒野急救……等主題，並展出相關醫療裝備器材等相關產品，可應用於到院前急救、到院後急救、醫療等領域。

本屆研討會除舉辦 EMS 比賽、研討會前工作坊外，並邀請歐、美、日、韓、中國、香港、印度、馬來西亞、越南、土耳其及主辦國菲律賓等國家之專業講者前來分享各國之 EMS 醫療相關經驗之研討會議，並邀請醫療及救護裝備器材廠商展出相關醫療裝備器材，摘述如下：

### 一、會前工作坊(Pre-Convention Workshops)議程內容

編號	工作坊名稱	摘要內容
1	Mass Casualty Management Incident Command System Workshop (Registration Closed)	 <p>The poster features an aerial view of an emergency scene with ambulances and personnel. Text includes: EMS ASIA 2018 PRECONVENTION WORKSHOPS, For more details Please contact: Dr. Pal Rowena Namnama Gahol 09491313651 or REGISTER at www.emsasia2018davao.com, MASS CASUALTY MANAGEMENT INCIDENT COMMAND SYSTEM WORKSHOP, Speaker: Dr. Carlos Primero Gundran, Emergency Physician UP College of Public Health, Crocodile Park, Davao City June 17, 2018.</p>
2	Medical Directors Workshop	 <p>The poster features a portrait of Dr. Benjamin Leong Sieu-Hon and a row of ambulances. Text includes: EMS ASIA 2018 PRECONVENTION WORKSHOPS, GRAND MENSING HOTEL DAVAO CITY JUNE 17, 2018, EMS ASIA 2018 MEDICAL DIRECTORS WORKSHOP, SPEAKER: DR. BENJAMIN LEONG SIEU-HON, SENIOR CONSULTANT EMERGENCY PHYSICIAN NATIONAL UNIVERSITY HOSPITAL, SINGAPORE, For more details please Contact: Dr. Pal Rowena Namnama Gahol 09491313651 or visit and REGISTER at www.emsasia2018davao.com, In cooperation with: Southern Philippines Medical Center Department of Emergency Medicine and Philippine College of Emergency Medicine.</p>

<p>3</p>	<p>Out of Hospital Cardiac Arrest Dispatchers Course (Registration Closed)</p>	 <p><b>OUT OF HOSPITAL CARDIAC ARREST DISPATCHERS COURSE</b></p> <p><b>EMS ASIA 2018</b> 17-19 JUNE 2018, GRAND MENSING HOTEL, DAVAO CITY, PHILIPPINES</p> <p><b>EMS ASIA 2018 PRECONVENTION WORKSHOPS</b></p> <p><b>JUNE 17, 2018</b> GRAND MENSING HOTEL DAVAO CITY</p> <p><b>SPEAKER:</b> <b>Dr. Sarah SH Abdul Karim</b> Emergency Physician, Pre-Hospital Care Unit, Hospital Sg Buloh</p> <p>The course will discuss and teach techniques for dispatcher-assisted CPR and promote early patient care for out of hospital cardiac arrest.</p> <p>For more details, Please contact: <b>Dr. Pat Rowena Namnama Gahol</b> 09491313651 or visit and REGISTER at: <a href="http://www.emsasia2018davao.com">www.emsasia2018davao.com</a></p>
<p>4</p>	<p>Prehospital Trauma Life Support (PHTLS) (Registration Closed)</p>	 <p><b>EMS ASIA 2018 PRECONVENTION WORKSHOPS</b></p> <p><b>EMS ASIA 2018</b> 17-19 JUNE 2018, GRAND MENSING HOTEL, DAVAO CITY, PHILIPPINES</p> <p><b>JUNE 16-17, 2018</b> SOUTHERN PHILIPPINES MEDICAL CENTER, JP LAUREL AVENUE DAVAO CITY</p> <p><b>PHTLS</b> Prehospital Trauma Life Support</p> <p><b>LEARN TO SAVE LIVES AND MAKE A DIFFERENCE</b></p> <p>LEARN EFFECTIVE TRAUMA CARE FOR PRE-HOSPITAL CARE PROVIDERS FROM NREMT ACCREDITED TRAINERS <b>FREE NREMT REGISTRATION FOR COURSE PARTICIPANTS</b></p> <p>For more details, Please contact: <b>Dr. Pat Rowena Namnama Gahol</b> 09491313651 or visit and REGISTER at: <a href="http://www.emsasia2018davao.com">www.emsasia2018davao.com</a></p>
<p>5</p>	<p>Water Rescue for Hydrometeorological Hazards (Registration Closed)</p>	 <p><b>EMS ASIA 2018 PRECONVENTION WORKSHOPS</b></p> <p><b>EMS ASIA 2018</b> 17-19 JUNE 2018, GRAND MENSING HOTEL, DAVAO CITY, PHILIPPINES</p> <p><b>WATER RESCUE FOR HYDROMETEOROLOGICAL HAZARDS WORKSHOP</b></p> <p><b>JUNE 17, 2018</b> <b>DAVAO CITY</b></p> <p>FOR MORE DETAILS, PLEASE CONTACT: <b>DR. PAT ROWENA NAMNAMA GAHOL</b> 09491313651 OR VISIT AND REGISTER AT: <a href="http://www.emsasia2018davao.com">www.emsasia2018davao.com</a></p> <p>Learn the basics on water and safety rescue from various experienced instructors led by <b>DR. TED ESQUERRA</b></p>

6	Wilderness First Aid Workshop (Registration Closed)	
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## 二、EMS 比賽

本次 EMS 比賽於戶外場地(納卯市鱷魚公園)辦理 2018 年亞洲區緊急救護競賽 (2018ASIA EMS Competition) 由亞洲各國包含日本、新加坡、馬來西亞等 10 多支隊伍同場競技，互相切磋學習，競賽項目為多重傷病患，該救護情境模擬比賽測試救護技術員(EMT)大量傷病患者的應變處理能力。在照顧病人時保持專業信心和心靈的慰藉至為重要。領導力，團隊合作和溝通技巧也是考驗著每一位參賽者。

評分標準為團隊合作及全英文溝通技巧且能有效率處治患者，臺灣部分並有臺北市政府消防局及新北市政府消防局代表參賽，藉由實際之情境演練，了解各國 EMT 救護技術人員相關技術之差異性比較，也能為國爭光，讓世界看見臺灣的 EMS 救護能力。

EMT 救護人員是急診醫師眼睛之延伸，患者的事發經過、受傷情形、受傷機轉均須仰賴救護人員現場的仔細觀察及評估，詳實的檢查及交接都影響著患者是否能在第一時間接受適當的處置及治療，使醫院創傷小組能及早於急診室待命，進而達到縮短確定處置的時間，提高患者存活率。且可避免患者傷情被低估，使患者在等待檢傷期間病情惡化至無法挽回之地步。

考試官所下之情境係針對到院前經常遇到的情況，由參賽隊伍全部團隊成員運用所學專業救護技術在比賽規定之時間完成緊急救護任務，所有

團隊成員都統一說英語，並於 2018 年 6 月 16 日進行淘汰賽，並於 2018 年 6 月 19 日進入最後一輪決勝負。團隊成員在比賽過程中不得使用任何通訊方式。競賽進行過程中，不允許複習及參考資料。在比賽開始時，主考官會針對每個團隊提供救護器材設備之清單，每個 EMT 團隊的救護處置時間為 20 分鐘。評分將強調團隊合作和有效率地評估大量傷病患的處置能力。

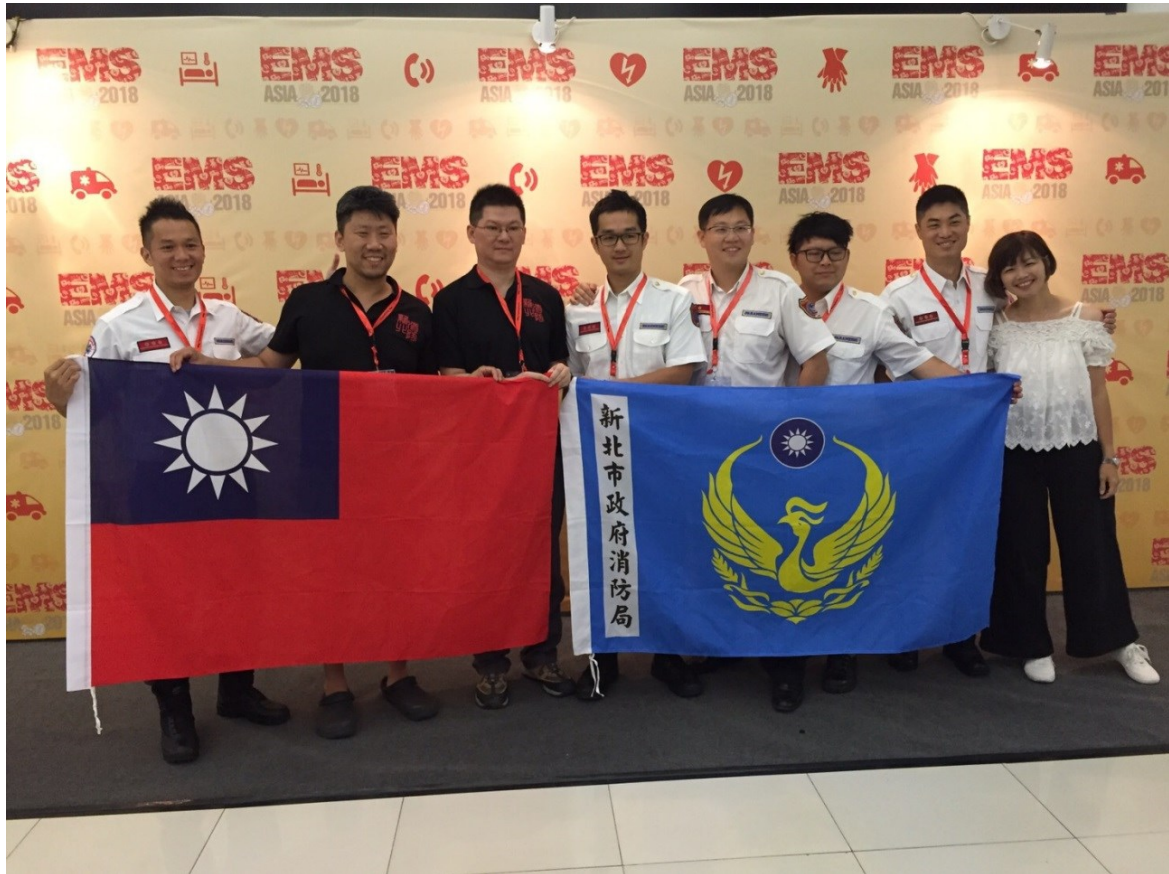


圖 5 新北市政府消防局參賽隊伍



圖 6 新北市政府消防局參賽隊伍



圖 7 臺北市政府消防局參賽同仁於比賽現場實況



圖 8 臺北市政府消防局參賽同仁於比賽現場實況



圖 9 臺北市政府消防局參賽同仁於比賽現場實況



圖 10 臺北市政府消防局參賽同仁於比賽現場實況

### 三、2018EMS 研討會

本次參加之 2018 年亞洲緊急醫療救護年會，由主辦國菲律賓，邀請歐、美、日、韓、中國、香港、印度、馬來西亞、越南、土耳其及主辦國菲律賓等國家之專業講者前來分享各國之 EMS 相關經驗，參與研討會之對象為各國急診醫療醫師、護理人員及救護技術員等，本次研討會並區分不同之功能分組，邀請各專業領域之醫師人員進行演講，以下針對研究會內容摘要敘述。

#### (一)第 1 天全體會議議程內容

June 18:  
Day 1

TIME	Function Room 2	Function Room 3A	Function Room 3B	MTG RM 4&5
<b>0700-800</b>	ORAL PAPER PRESENTATIONS			
<b>0800-0900</b>	Opening Ceremonies			
<b>0900-0915</b>	Coffee Break			
<b>0915-1045</b>	EMS Disaster Preparedness	PRE-HOSPITAL CARDIAC EMERGENCY CARE	Geriatric and Challenged Populations	Global Resuscitation Alliance: Improving OHCA One Step at a Time
<b>1045-1100</b>	Coffee Break			
<b>1100-1230</b>	PLENARY SESSION 1 <i>The Future of EMS in an Inter-Global World</i> <i>Developing Pan-Asian Standards for EMT Education</i> <i>Community Chain of Survival: Translating Science into Education</i>			
<b>1230-1400</b>	Luncheon Symposiums			
	Function Room 2	Function Room 3A	Function Room 3B	MTG RM 4&5
<b>1400-1530</b>	Enhancing Community CPR and AED Education	PRE-HOSPITAL NEUROLOGIC EMERGENCY CARE	Pediatric EMS	Infectious Disease Outbreaks and EMS
<b>1530-1600</b>	Coffee Break			
	Function Room 2	Function Room 3A	Function Room 3B	MTG RM 4&5
<b>1600-1730</b>	Innovations in RESUSCITATION	PRE-HOSPITAL TRAUMA CARE	EMS Care: Pan Asian Marathon Outcomes Study (PAMOS)	Public Safety in CBRNE
<b>19:00-21:00</b>	Fellowship Dinner			

## (二)第 2 天全體會議議程內容

FELLOWSHIP DINNER 7PM - 11PM Garden Pavillon at the Waterfront Insular Hotel

June 19: Day 2

TIME	FR2	FR3A	FR3B	MTG RM 4&5
<b>0730-830</b>	Oral Paper Presentations			
<b>0830-0845</b>	Coffee Break			
<b>0845-1015</b>	PLENARY SESSION 2 <i>The Global Efforts for Improving Survival from OHCA</i> <i>Priority Medical Dispatch: Its Impact in the Chain of Survival</i> <i>Developing Pre-Hospital ECS standards</i>			
<b>1015-1030</b>	Coffee Break			
<b>1030-1130</b>	AWARDS AND EMS COMPETITIONS			
<b>1130-1300</b>	Luncheon Symposiums			
<b>1300-1500</b>	Global Resuscitation Symposium	EMT College Summit	Occupational Safety and Welfare of EMS Healthcare Providers	Setting Standards for EMT Education in Asia
<b>1500-1530</b>	Coffee Break			
<b>1530-1700</b>	Global Resuscitation Symposium	Workshop on EMS Research	Medico-Legal Dilemmas of Pre-hospital Personnel	Innovations in Teaching-Learning Strategies for EMT Education
<b>17:00-17:30</b>	Closing Ceremonies			



(三)主要之國際講者如下：




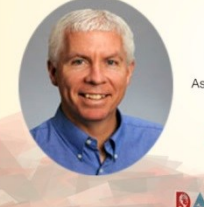
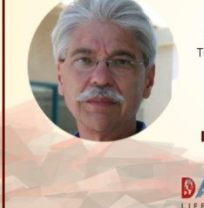


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 <p>June 17-19, 2018  <b>DAVAO, PHILIPPINES</b>          Hosted by The Asian Association          of Emergency Medical Services</p> <p>17-19 JUNE 2018  <small>SMX CONVENTION CENTER   DAVAO CITY, PHILIPPINES</small></p>  <p><b>Mr. Jerry Overton</b></p> <p><b>USA</b></p> <p>President and Chair of Institutional Review Board,          The International Academies of Emergency Dispatch,          Salt Lake City Utah, USA</p> <p><b>TOPIC:</b>  <b>PRIORITY OF MEDICAL DISPATCH:          ITS IMPACT IN THE CHAIN OF SURVIVAL</b></p>  <p>#emsasia2018davao    <a href="https://www.emsasia2018davao.com/">https://www.emsasia2018davao.com/</a>    <a href="http://www.emsasia.org/">http://www.emsasia.org/</a></p>	 <p>June 17-19, 2018  <b>DAVAO, PHILIPPINES</b>          Hosted by The Asian Association          of Emergency Medical Services</p> <p>17-19 JUNE 2018  <small>SMX CONVENTION CENTER   DAVAO CITY, PHILIPPINES</small></p>  <p><b>John Juliard Go, MD</b></p> <p><b>PHILIPPINES</b></p> <p>National Professional Officer for Non-communicable          Diseases (NCD), World Health Organization- Philippines          SSA/Program Officer, World Health Organization          Philippines, 2005-2006          Reproductive Health Officer, PATH Foundation          Philippines, 2002-2005</p> <p><b>TOPIC:</b>  <b>DEVELOPING PRE-HOSPITAL ECS STANDARDS</b></p>  <p>#emsasia2018davao    <a href="https://www.emsasia2018davao.com/">https://www.emsasia2018davao.com/</a>    <a href="http://www.emsasia.org/">http://www.emsasia.org/</a></p>

圖 11 研討會講者

1.災難和醫院前護理：演講內容包含 EMS 災難準備、傳染病爆發和 EMS 及 CBRNE 的公共安全。

**June 18**

<b>TRACK B: DISASTER AND PRE-HOSPITAL CARE</b>	
<b>B1 – EMS DISASTER PREPAREDNESS</b> (915am-1045am) Function Room 2	
<i>Session Chair: Dr. Ridvan Atilla (Turkey)</i>	
<i>Co-Chair: Dr. Veronica Datinguino (Phillippines)</i>	
<b>B.1.1 Enhancing Global Health Systems for Effective Disaster Response</b> To discuss how global health systems may be enhance for effective disaster response	<b>Dr. Teodoro J. Herbosa</b>
<b>B.1.2 DOH Response &amp; Disaster Preparedness Program</b> To discuss the role of DOH is <u>implemting</u> disaster response plans	<b>Dr. Gloria J. Balboa</b>
<b>B.1.3 Psychological First Aid for Health Care Workers during Disasters</b> To discuss how to maintain the mental and psychosocial well-being of health care workers during disasters	<b>Mr. Jose A. Juan, Jr.</b>
<b>B1.4 Role of the EMS Medical Director in Disaster Preparedness</b> To discuss the role of the medical director in disaster preparedness	<b>Dr.George Abraham</b>

<b>B2 – INFECTIOUS DISEASE OUTBREAKS and EMS</b> (1400pm- 1530pm) Meeting Room 4&5	
<i>Session Chair: Dr. Rosita Gan (Philippines)</i>	
<i>Co-Chair: Dr. Oulaivanh Phonesavanh (Laos)</i>	
<b>B.2.1 Transport Standards for Highly Transmissible Diseases</b> To enumerate elements of safe transport for Highly Transmissible Diseases	<b>Dr. Donna de Padua</b>
<b>B.2.2 ED and Pre-Hospital Care Preparations for Emerging and Re-emerging Infections in Hong Kong</b> To discuss guidelines and preparations for emerging and re-emerging infections	<b>Dr. Axel Siu</b>
<b>B.2.3 Preparedness for EIDs in the Philippines</b> To share preparedness plans for EIDS for the Philippines	<b>Dr. Arthur Dessi Roman</b>
<b>B.2.4 Response and Risk Management of Industrial Disasters</b> To share valuable experiance in disaster preparedness and response in industrial disasters	<b>Dr. Basanta Kumar Behera</b>

<b>B3 – PUBLIC SAFETY IN CBRNE</b> <b>(1600pm-1730pm)</b> <b>Meeting Rooms 4 &amp; 5</b> <i>Session Chair: Dr. Kyoung Jun Song (South Korea)</i>	
<i>Co-Chair: Dr. Richard Henry Santos (Philippines)</i>	
<b>B.3.1 Management of Radiologic Emergencies: Nuclear Disasters</b> To discuss the treatment and management of Radiologic Emergencies in the Pre-hospital setting	<b>Prof. Arifumi Hasegawa</b>
<b>B.3.2 Vital Interventions in Urban EMS during CBRNE (CBRNE MCI Preparedness) In an Urban EMS Setting</b> To discuss the role of urban EMS during CBRNE	<b>Mr. Michaelangelo Bartolin</b>
<b>B.3.3 Mass Shooting Incidents</b> To discuss relevant considerations for EMS response to mass shooting incidents	<b>Dr. Teofredo “Ted” Esguerra</b>

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圖 12 研討會講者

2.醫院前急救：包含院前心臟急症、院前神經緊急護理及院前創傷護理等內容。

<b>June 18</b>	
<b>TRACK C: PREHOSPITAL EMERGENCY CARE</b>	
<b>C1 – PRE-HOSPITAL CARDIAC EMERGENCY CARE (915am-1045am) Function Room 3A</b>	
<i>Session Chair: Dr. Poongkulali Annaikati (Singapore)</i>	
<i>Co-Chair: Dr. Perry Peralta (Philippines)</i>	
<b>C.1.1 Communication/Transport</b> To analyze how communication and transport facilities in the pre-hospital setting be enhanced to improve outcomes for Acute Coronary Syndrome in the Philippines	<b>Dr. Benedict Valdez</b>
<b>C.1.2 Referral Systems</b> To analyze the elements of effective inter-hospital referrals and transfers to improve outcomes for Acute Coronary Syndromes in Saudi Arabia	<b>Dr. Ahed Najjar</b>
<b>C.1.3 Post Cardiac Arrest care in China</b> To discuss post-cardiac arrest care practices in China	<b>Dr. Tang Ziren</b>
<b>ASPEN</b>	

<b>C2 – PRE-HOSPITAL NEUROLOGIC EMERGENCY CARE (1400pm-1530pm) Function Room 3A</b>	
<i>Session Chair: Saleh Fares (UAE)</i>	
<i>Co-Chair: Dr. Jeremy Cordero (Philippines)</i>	
<b>C.2.1 Communication and Transport</b> To analyze how communication and transport facilities in the pre-hospital setting be enhanced to improve outcomes for Acute Stroke in the Philippines	<b>Dr. Pauline F. Convocar</b>
<b>C.2.2 Telemedicine and Medical Direction in the Care of Neurologic Emergencies</b> To discuss how telemedicine can improve medical care particularly for neurologic emergencies	<b>Dr. Kang Hyun Lee</b>
<b>C.2.3 The Use of NIV in Pre-hospital Care</b> To discuss how non-invasive ventilation can be applied in the Pre-hospital care	<b>Dr. Sarah Karim</b>
<b>NATRAPHARM</b>	

**C3 – PRE-HOSPITAL TRAUMA CARE  
(1600pm-1730pm)  
Function Room 3A**

*Session Chair: Dr. Akio Kimura (Japan)*

*Co-Chair: Dr. Johnny Perez*

**C.3.1 Enhancing Trauma and EMS Care through Research: The PATOS Experience**

To share the results from the PATOS research collaborations

**Dr. Sang Do Shin**

**C.3.2 Pre-hospital Trauma Care System in Vietnam**

To share the challenges and innovations in trauma care systems in Vietnam

**Dr. Ngoc Do Son**

**C.3.3 Pre-Hospital Trauma Care System in Malaysia**

To share the challenges and innovations in trauma care systems in Malaysia

**Dr. Sabariah Jamaluddin**

**C.3.4 Pre-Hospital Trauma Care System in Philippines**

To share the challenges and innovations in trauma care systems in Philippines

**Dr. Pat Namnama Tejero  
–Gahol**



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**Benedict Edward P. Valdez, MD,  
DPBS, FPSGS, FPCS, MPA**

President, Maharlika Charity Foundation Inc. and Director of Missions  
At Southern Philippines Medical Center:  
Chair, Chair Dept. of Emergency Medicine 2016- present  
Chair, Trauma Section Department of Surgery, 1996- present  
Chair, Hyperbaric Department

**TOPIC:  
Improving Emergency Cardiac Care through  
Communication and Transport**



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**Ahd Al Najjar, FPHC, FAHA,  
MPH, FPCI, NREMT-TO**

Director of Life Support Training Center, & Ambulance SIM  
EMS Faculty and Researcher of Prince Sultan Bin Abdulaziz College –King Saudi University.

**TOPIC:  
Improving Pre-Hospital Cardiac  
Care through Education and Integrated  
Referral Networks**



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**Tang Ziren, MD**

Clinical Researcher for Critical Care, Resuscitation and Targeted Temperature Management  
Emergency Physician/Consultant at Chao-Yang Hospital, Beijing, China

**TOPIC:  
Post Cardiac Arrest Care in China**



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**Pauline F. Convocar, MD, FPCEM**

Training Officer of the Department of Emergency Medicine Southern Philippines Medical Center 2016- Present  
Master in Community Health Management, Ateneo de Manila University  
Fellow in Emergency Medicine/Diplomate in Occupational Medicine  
International Training in Inter-Facility Critical Care Medicine

**TOPIC:  
Improving Emergency Neurologic Care  
Through Communication and Transport**



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**Kang Hyun Lee, MD, PhD**

Professor, Yonsei University Wonju College of Medicine  
Asian Representative of Board Member, International Federation of Emergency Medicine  
Chairman of Organizing Committee, 2019 International Conference of Emergency Medicine  
Chairman, Board of Directors, Korean Society of Emergency Medicine  
Vice President, Korean Society of Traumatology

**TOPIC:**  
**Telemedicine and Medical Direction in  
the Care of Neurologic Emergencies**



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**Sarah Sh Abdul Karim, MD**

Emergency Physician with practice in the  
Emergency and Trauma Department, Hospital Sungai Buloh,  
Master of Medicine (Emergency Medicine) Universiti Sains  
Malaysia  
Fellow in Prehospital Care and Disaster Medicine from the  
Medical College of Wisconsin.

**TOPIC:**  
**The Use of NIV in Pre-hospital Care**



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**Sabariah Faizah, MD**

President, Malaysian Resuscitation Association  
President, Malaysian Society for Care of Trauma  
Board member, Asian Society of Emergency Medicine

**TOPIC:**  
**Pre-Hospital Trauma Care System  
in Malaysia**



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of Emergency Medical Services



**Sang Do Shin, MD, MPH, PhD**

Professor, Seoul National University College of Medicine  
Head, Department of Emergency Medicine  
Director, Laboratory of Emergency Medical Services,  
Seoul National University Hospital

**TOPIC:**  
**Enhancing Trauma and  
EMS Care through Research:  
The PATOS Experience**



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**Ngoc Do Son, MD**

Vice Head of Emergency Department,  
Bach Mai Hospital  
Secretary General  
Vietnam Society of Emergency Medicine

**TOPIC:**  
**Pre-hospital Trauma Care System  
in Vietnam**



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**Sabariah Faizah, MD**

President, Malaysian Resuscitation Association  
President, Malaysian Society for Care of Trauma  
Board member, Asian Society of Emergency Medicine

**TOPIC:**  
**Pre-Hospital Trauma Care System  
in Malaysia**



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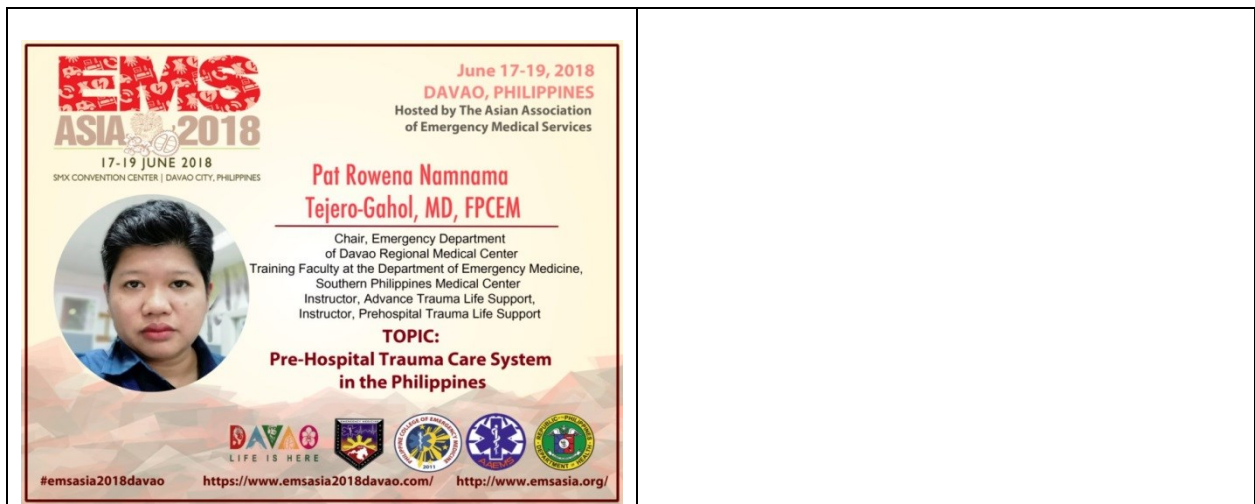


圖 13 研討會講者

3.EMS 關注弱勢群體：演講內容含 EMS 對弱勢群體的照顧、老年人和土著人民等內容

June 18

<b>TRACK D: EMS CARE FOR THE VULNERABLE POPULATIONS</b>	
<b>D1 - GERIATRIC AND OTHER CHALLENGED POPULATIONS</b> (915am – 1045am) Function Room 1B	
<i>Session Chair: <u>Dr. Ali Haeder (Indonesia)</u></i>	
<i>Co-Chair: <u>Nerissa Sabarre (Philippines)</u></i>	
<b>D.1.1 SMART Technologies for Management of Geriatric Patient in the Pre-Hospital Setting</b> To discuss how SMART Technologies can enhance the pre-hospital care for geriatric patients	<b>Dr. Michael Chia</b>
<b>D.1.2 Cultural Competence in Access to Pre-hospital services by EMTs</b> To discuss how pre-hospital services may be enhanced by an understanding of cultural competence by EMTs	<b>Dr. Michael Tan</b>
<b>D.1.3 EMS in AREAS of ARMED CONFLICT</b> To discuss challenges in the practice of EM/EMS in areas of armed conflict	<b>Ms. <u>Sarji Muldong</u></b>
<b>D.1.4 Delivering Quality EMS Care in Resource-Limited Environments: The Vientiane Rescue Experience</b> To discuss challenges in the practice of EM/EMS in resource -limited environment	<b>Mr. Sebastien Perret</b>

<b>D2 - PEDIATRIC EMS</b> (1400pm -1530pm) Function Room 1B	
<i>Session Chair: Dr. Jonathan Cu (Philippines)</i>	
<i>Co-Chair: Dr. Benjamin Leong (Singapore)</i>	
<b>D.2.1 Safety in the transport of Critically-ill Pediatric Patients</b> To describe the elements of safe transport for a critically-ill pediatric patients in India	<b>Dr. Sanket Patil</b>
<b>D.2.2 Pediatric Trauma – Reducing Injuries One-Step at a Time</b> To outline steps to prevent mortality from pediatric trauma	<b>Dr. Manish Shah</b>
<b>D.2.3 Pediatric Resuscitation: Caring for Children</b> To discuss and share educational experiences in teaching frontline providers how to care for infants	<b>Dr. Jose Maria Ferrer</b>
<b>D.2.4 Airway and Breathing Considerations in Managing Critically Ill Pediatric Patients in Pre-hospital Setting</b> To discuss management of airway and breathing problems during transport of pediatric patients	<b>Dr. Ivan Chua</b>

<b>D3 – PAMOS – PAN ASIAN MARATHON OUTCOMES STUDY</b> (1600pm – 1730pm) Function Room 1B	
<i>Session Chair: Prof. Takahiro Hara (Japan)</i>	
<i>Co-Chair: Ms. Nina Gironella (Philippines)</i>	
To describe mass-gathering events/marathons and outcomes	
<b>D.3.1 Tokyo, Japan</b>	<b>Dr. Etsuke Kone</b>
<b>D.3.2 Taipei, Taiwan</b>	<b>Dr. Lee Chih-hsien</b>
<b>D.3.3 Shanghai, China</b>	<b>Dr. Lu Yiming</b>
<b>D.3.4 Davao City, Philippines</b>	<b>Dr. Benedict Edward Valdez</b>



4.改善 OHCA 結果的戰略：加強社區心肺復甦和 AED 教育復甦的創新。

June 18

<b>TRACK E: STRATEGIES FOR IMPROVING OUTCOMES for OHCA</b>	
<b>E1 – GLOBAL RESUSCITATION ALLIANCE (GRA) IMPROVING Out-of-Hospital Cardiac Arrest ONE STEP AT A TIME (915am – 1045am) Meeting Room 4 &amp; 5</b>	
<i>Session Chair: Dr. Marcus Ong (Singapore)</i>	
<i>Co-Chair: Dr. Richard Vincent Dimagiba (Philippines)</i>	
To discuss strategies for implementation of the 10 steps in the Global Resuscitation	
<b>E.1.1 Implementation of 10 - Steps in Malaysia</b>	<b>Dr. Darin Wong</b>
<b>E.1.2 Implementation of the 10 - Steps in Japan</b>	<b>Dr. Tatsuya Nishiuchi</b>
<b>E.1.3 Implementation of the 10 – Steps in Philippines</b>	<b>Dr. Faith Joan Gaerlan</b>
<b>E.1.4 Implementation of the 10 steps in China</b>	<b>Dr. Shao Fei</b>

<b>E2 – ENHANCING COMMUNITY CPR and AED EDUCATION (1400pm – 1530pm) Function Room 2</b>	
<i>Session Chair: Dr. Roderick Vito (Philippines)</i>	
<i>Co-Chair: Ali Haedar (Indonesia)</i>	
To discuss strategies how community CPR and AED Education be enhanced appropriate to each country	
To share innovations implemented to enhance community CPR and AED education	
<b>E.2.1 Philippines – Community CPR and AED Education</b>	<b>Dr. Francis Lavapie</b>
<b>E.2.2 Singapore – It is Not Too Young to Start</b>	<b>Dr. Michael Chia</b>
<b>E.2.3 India – Community CPR and AED Education in India</b>	<b>Dr. Subroto Das</b>
<b>E.2.4 Taiwan – Implementing Public Access Defibrillation in</b>	<b>Dr. Matthew Ma</b>

**E3 – INNOVATIONS IN RESUSCITATION  
(1600pm – 1730pm)  
Function Room 2**

*Session Chair: Dr. Axel Siu (Hong Kong)*

*Co-Chair: Dr. Bernadett Velasco (Philippines)*

**E.3.1 Innovations in Resuscitation**

To present innovations in resuscitations that improve clinical outcomes

**Dr. Patrick Ko**

**E.3.2 Innovation in Spinal Immobilization Devices**

To present designs in spinal immobilization devices applicable for use in the Philippines

**Mr. Aidan Tasker-Lynch**

**E.3.3 Design Tips for Building a CPR/AED Crowdsourcing App**


To discuss the process and design of a CPR/AED Crowding sourcing App

**Col. Ng Yih Yang**

**E.3.4 ACLS is all about A-C-L-S**


To discuss important elements in A-C-L-S

**Dr. Matthew Ma**



June 17-19, 2018  
DAVAO, PHILIPPINES  
Hosted by The Asian Association  
of Emergency Medical Services

17-19 JUNE 2018  
SHX CONVENTION CENTER | DAVAO CITY, PHILIPPINES




**Francis Lavapie, MD**

**PHILIPPINES**

Chairman of the Council to Cardiopulmonary Resuscitation of Philippine Heart Association from 2014-2017  
Active Trainer/Facilitator/Member, Philippine Heart Association, CPR Council, 2006-present  
Internist-Cardiologist of the Heart of Jesus Hospital, San Jose General Hospital, Philippines

**TOPIC:**  
**Philippines- Community CPR and AED Education**



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**Michael Chia, MD**

**SINGAPORE**

Emergency Physician, Tan Tock Seng Hospital, Consultant, Emergency Physician, Unit for Prehospital Emergency Care, Ministry of Health

**TOPIC:**  
**Singapore- It is Not too Young to Start**



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**Shukanto Das, MD**

**India**

Country Consultant and Coordinator for the American Heart Association-Saving Children's Lives (AHA-SCL) program, India

**TOPIC:**  
**Community CPR and AED Education in India**



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**Mathew Huei-Ming Ma, MD, PhD**

**TAIWAN**

Professor, Emergency Medicine at National Taiwan University  
Vice Superintendent of National Taiwan University Hospital, Yunlin Branch

**TOPIC:**  
**Taiwan- Implementing Public Access Defibrillation in Taiwan**



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<p><b>EMIS ASIA 2018</b> 17-19 JUNE 2018 SHX CONVENTION CENTER   DAVAO CITY, PHILIPPINES</p> <p>June 17-19, 2018 <b>DAVAO, PHILIPPINES</b> Hosted by The Asian Association of Emergency Medical Services</p> <p><b>Patrick Chow In Ko, MD</b> TAIWAN Attending physician at the Department of Emergency Medicine, National Taiwan University Hospital, Taipei, Taiwan Assistant Professor of the Department of Emergency Medicine, College of Medicine, National Taiwan University, Taipei Taiwan</p> <p><b>TOPIC:</b> Innovations in Resuscitation</p> <p>#emsasia2018davao    <a href="https://www.emsasia2018davao.com/">https://www.emsasia2018davao.com/</a>    <a href="http://www.emsasia.org/">http://www.emsasia.org/</a></p>	<p><b>EMIS ASIA 2018</b> 17-19 JUNE 2018 SHX CONVENTION CENTER   DAVAO CITY, PHILIPPINES</p> <p>June 17-19, 2018 <b>DAVAO, PHILIPPINES</b> Hosted by The Asian Association of Emergency Medical Services</p> <p><b>Mr. Aidan Tasker-Lynch, RAEMT</b> PHILIPPINES Executive Director, Philippines Society of Emergency Medical TechnicianS Critical Care Paramedic Provider and instructor of Pre-Hospital Advance Cardiac Life Support, Pre-Hospital Advance Trauma Life Support, and EMS instructor for all grades Consultant, Pre-hospital Disaster Management and Response</p> <p><b>TOPIC:</b> Innovations in Spinal Immobilization Devices</p> <p>#emsasia2018davao    <a href="https://www.emsasia2018davao.com/">https://www.emsasia2018davao.com/</a>    <a href="http://www.emsasia.org/">http://www.emsasia.org/</a></p>
<p><b>EMIS ASIA 2018</b> 17-19 JUNE 2018 SHX CONVENTION CENTER   DAVAO CITY, PHILIPPINES</p> <p>June 17-19, 2018 <b>DAVAO, PHILIPPINES</b> Hosted by The Asian Association of Emergency Medical Services</p> <p><b>Col. Ng Yih Yng, MD, PhD</b> SINGAPORE Military Emergency Physician serving as the Chief Medical Officer of the Singapore Civil Defense Force and Ministry of Home Affairs since 2012 In Charge in Developing new ambulance design and safety standards in the SCDF</p> <p><b>TOPIC:</b> Design Tips for Building A CPR/AED Crowdsourcing App</p> <p>#emsasia2018davao    <a href="https://www.emsasia2018davao.com/">https://www.emsasia2018davao.com/</a>    <a href="http://www.emsasia.org/">http://www.emsasia.org/</a></p>	<p><b>EMIS ASIA 2018</b> 17-19 JUNE 2018 SHX CONVENTION CENTER   DAVAO CITY, PHILIPPINES</p> <p>June 17-19, 2018 <b>DAVAO, PHILIPPINES</b> Hosted by The Asian Association of Emergency Medical Services</p> <p><b>Mathew Huei-Ming Ma, MD, PhD</b> TAIWAN Professor, Emergency Medicine at National Taiwan University Vice Superintendent of National Taiwan University Hospital, Yunlin Branch</p> <p><b>TOPIC:</b> ACLS is all about A-C-L-S</p> <p>#emsasia2018davao    <a href="https://www.emsasia2018davao.com/">https://www.emsasia2018davao.com/</a>    <a href="http://www.emsasia.org/">http://www.emsasia.org/</a></p>

圖 14 研討會講者

5.EMS 的培訓和研究：演講內容包括制定亞洲 EMT 教育標準、EMT 教育教學策略的創新及 EMS 研究講習班等內容。

June 19

<b>TRACK F: TRAINING AND RESEARCH IN EMS</b>	
<b>F1 - Setting Standards for EMT Education in Asia (1300pm – 1500pm) FUNCTION ROOM 2</b>	
<i>Session Chair: Dr. Takahiro Hara (Japan)</i>	
<i>Co-Chair: Dr. Marc Reyes (Philippines)</i>	
<b>PANEL DISCUSSION: To discuss challenges in developing and standardizing EMT Education in Asia</b>	
F.1.1 IPR Initiative	<b>Dr. David Paige</b>
F.1.2 Japan:	<b>Dr. Hideharu Tanaka</b>
F.1.3 Philippines:	<b>Dr. Bernadett Velasco</b>
F.1.4 India:	<b>Dr. Sanket Patil</b>
F.1.5 Singapore:	<b>Dr. Marcus Ong SARSTEDT ASIA</b>

<b>F2 - Innovations in Teaching-Learning Strategies for EMT Education (1530pm – 1730pm) FUNCTION ROOM 2</b>	
<i>Session Chair: Dr. April B. Llaneta (Philippines)</i>	
<i>Co-Chair: Dr. Michael Chia (Singapore)</i>	
<b>To discuss simulation and other teaching-learning strategies that enhance EM/EMT education in each country</b>	
F.2.1 Simulation in EMT Education (Fiji)	<b>Dr. Anne Creaton</b>
F.2.2 Simulation in EMT Education (Singapore)	<b>Dr. Poongkulali Annaikati</b>
F.2.3 Simulation in EMT Education (Qatar)	<b>Dr. Guillaume Alinier</b>
F.3.4 Simulation in EMT Education (Australia)	<b>Mr. Brett Williams</b>
<b>JONES AND BARTLETT LEARNING</b>	<b>Mr. David Page</b>

<b>F3 - EMT College Summit (1300pm – 1500pm) Meeting Room 4&amp;5</b>	
<i>Session Chair: Dr. Carlos Primero Gundran (Philippines)</i>	
<i>Co-Chair: Anne Creaton (Fiji)</i>	
To discuss the program objectives, strategies, professionalization of EMTs in a particular country	
F.3.1 South Korea:	<b>Dr. Kyoung Jun Song</b>
F.3.2 Turkey:	<b>Dr. Ridvan Atilla</b>
F.3.3 Saudi Arabia:	<b>Dr. Ahed Najjar</b>
F.3.4 Hong Kong:	<b>Mr. Ma Shun Cheong Hong Kong Fire Department</b>

<b>F4 Workshop on EMS Research June 19, 2018 from 1530pm -1700pm (Function Room 3A)</b>
<i>Chair and Facilitator: Dr. Johanna <u>Secretaria</u> (Philippines) Dr. Takashi Tagami (Japan)</i>
Target audience: Everyone who want to start clinical research (No research experience required)
Content:
1: Why and how to start clinical research (30 min. Lecture, Tagami)
2: First-step exercise (30 min. Facilitator; <u>Secretaria</u> )
3: What to start from today? (30 min)
3-1: Suggestions (15 min, Tagami)
3-2: Free discussion (15 min. <u>Secretaria</u> )

6.EMS 中的職業健康和質量管理：演講內容包含 EMS 醫療保健提供者的職業安全和福利及醫院前人員的醫療法律困境等內容。

JUNE 19

<b>TRACK G</b> <b>Quality Management and Occupational Health Welfare for EMS Systems</b>	
<b>G1- Occupational Safety and Welfare of EMS Healthcare Providers</b> <b>(1300pm – 1500pm)</b> <b>Function Room 1B</b>	
<i>Session Chair: Dr. Rey Pontreras (Philippines)</i>	
<i>Co-Chair: Dr. Clarabell Floresca (Philippines)</i>	
<b>G.1.1 Philippines:</b> To discuss lessons in the implementation of occupational health and safety among EMS Healthcare Personnel in Philippines	<b>Dr. April B. Llaneta</b>
<b>G.1.2 South Africa:</b> To discuss lessons in the implementation of occupational health and safety among EMS Healthcare Personnel in South Africa	<b>Mr. Francois Prinsloo</b>
<b>G.1.3 India: Occupational Safety and Welfare of EMS Healthcare Personnel</b> To discuss lessons in the implementation of occupational health and safety among EMS Healthcare Personnel in India	<b>Dr. Subroto Das</b>
<b>G.1.4 Singapore: Ambulance Safety and Design</b> To discuss how to enhance the safety of the ambulance through its design	<b>Col. Ng Yih Yng</b>

<b>G2 -Medico-Legal Dilemmas of Pre-hospital Personnel</b> <b>(1530pm – 1700pm)</b> <b>Function Room 1B</b>	
<i>Session Chair: Dr. Goh E-Shaun (Singapore)</i>	
<i>Co-Chair: Dr. April Anne Rivamonte – Delola (Philippines)</i>	
<b>G.2.1 Philippines:</b> To discuss common medico-legal dilemmas in the pre-hospital setting in the Philippines	<b>Dr. Martin Eugene Anthony Luna</b>
<b>G2.2 Malaysia</b> To discuss medico-legal considerations in Pre-Hospital Care in Malaysia	<b>Dr. Mahathar Wahab</b>
<b>G2.3 QMS in EMS</b> To discuss how to integrate Quality Management in EMS systems	<b>Dr. Patrick Ko</b>

G3: Global Resuscitation Symposium (1300pm – 1700pm) Function Room 2		
<i>Chair: Patrick Ko (Taiwan)</i> <i>Chair: Pauline F. Convocar (Philippines)</i> To: discuss worldwide trends, similarities and differences in resuscitation from Sudden Cardiac Arrest		
TIME	Speaker	Topic
13:00- 13:10 (10)	Patrick Ko	Welcome
13:10- 13:40 (30)	Brent Myers, MD, Raleigh, North Carolina, USA	Adoption of Best Practices in Resuscitation Across the Globe
13:40-14:10 (30)	Michael Levy, MD, Anchorage, Alaska, USA	Resuscitation Devices in the US: Driven by Science
14:10-14:40 (30)	Jerry Overton, Salt Lake City, Utah, USA	Adoption of Evidence Based Emergency Medicine Dispatch Criteria
14:40-15:00 (20)	<b>Break and Q/A</b>	
15:00-15:30 (30)	Manish Shah, MD, Houston, Texas, USA	Worldwide Challenges and Priorities in Pediatric Resuscitation
15:30-16:00 (30)	Bryan McNally, MD, Atlanta, Georgia, USA	International Registries and Outcomes Reporting for Sudden Cardiac Arrest
16:00-16:30 (30)	Marcus Ong, Singapore	Post-Cardiac Arrest Care Trends
16:30 – 17:00	Pauline F. Convocar	Q/A and discussion

#### 四、AAEMS 獎

本次國際研討會也表揚獎勵亞洲國家對於 EMS 發展做出貢獻的優秀人才。獎項類別包括個人卓越獎(Individual Excellence Award)、機構獎(INSTITUTION AWARD)、終身成就獎(LIFETIME ACHIEVEMENT AWARD)及新創獎(Innovation Award)等 4 類，感謝得獎者對亞洲的 EMS 做出的具體貢獻。

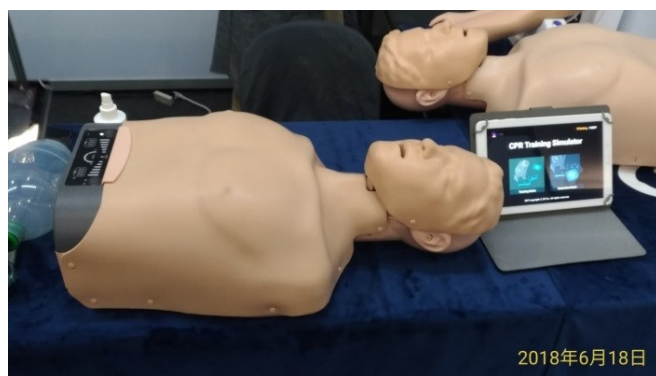
特別值得一提的是臺灣台大醫院醫師柯昭穎醫師，長年貢獻所學專注於到院前之醫療指導，並擔任臺北市政府醫療指導醫師，柯醫師專長領域是急診醫學、一般內科、腸胃內科及緊急醫療系統…等專業領域，本次榮獲 2018 年亞洲緊急醫療救護年會個人卓越獎(Individual Excellence Award)殊榮，實至名歸，卓越貢獻再一次受到國際社會肯定。



圖 15 與本次個人卓越獎得主臺大醫院柯醫師昭穎合影留念



## 五、救護醫療裝備器材展示







2018年6月18日



2018年6月18日



2018年6月18日



2018年6月18日

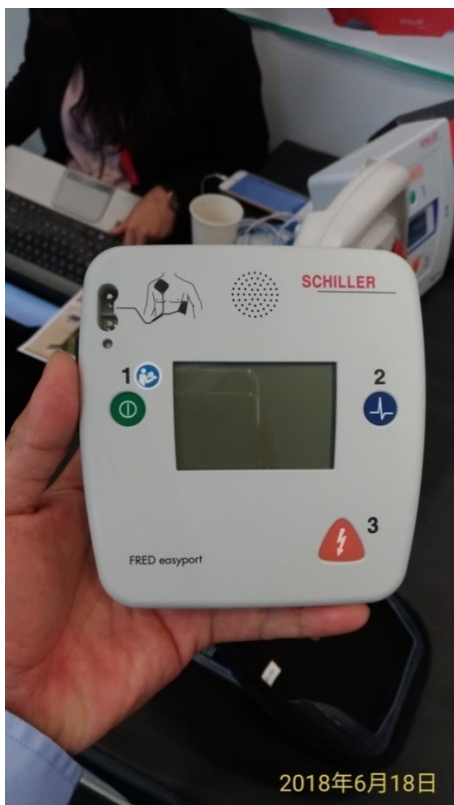


圖 16 救護醫療裝備器材展示

## 肆、心得及建議事項

本次利用出國參加 2018 年亞洲緊急醫療救護年會國際研討會的難得機會，增廣見聞，拓展視野，雖然只是 3 天的研討會行程，但在各國講者研討會分享經驗過程中已經看到各國在 EMS 方面各項努力，到院前和到院後之間各單位緊密配合分工合作。

針對本次參加國際研討會共提供 2 點建議，敘述如下：

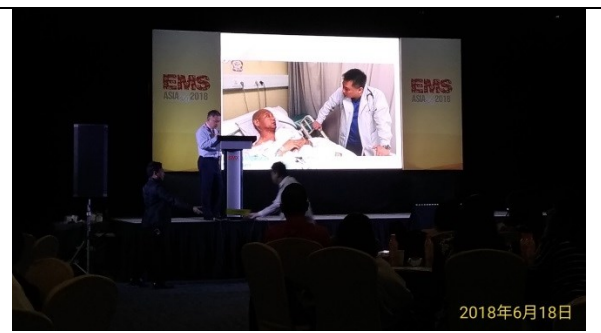
### 一、 持續規劃辦理緊急救護教育訓練：

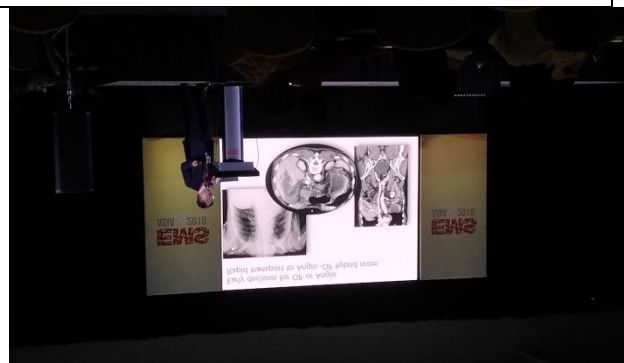
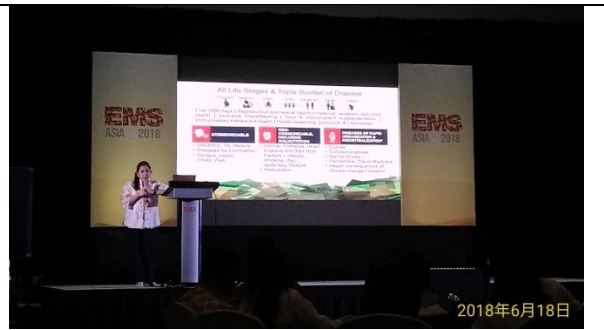
我國在目前緊急救護教育訓練的重點在於達現場後對患者傷病情的判斷以及急救處置的技術，本次研討會過程中我們看到其他國家也是不斷強化救護情境演練，藉由不斷提升專業知識與技術，加強 EMT 人員與病患家屬溝通的能力，建議在未來辦理緊急救護技術員及教官班相關專業訓練時，可將這些要素納入訓練及測試內容。

### 二、 緊急救護訓練教室：

我國目前緊急救護教育訓練辦理地點主要於本署訓練中心或各地方消防局依其硬體條件選擇地點辦理，本次藉由各國分享之情境訓練，有關情境模擬教室、利用單向鏡營造測驗時不受干擾的環境、利用攝影回放檢討學員操作問題的部分值得我們借鏡參考，在未來可參考其概念依實際需求規劃我國之訓練教室。

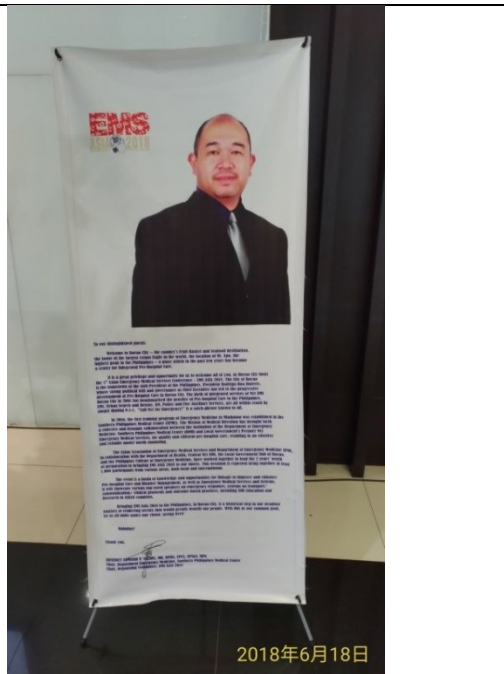
## 伍、附錄(研討會活動花絮)







2018年6月18日



2018年6月18日



圖 17 研討會活動花絮