

1. Project title
Strengthening the Emergency Medical System in Provincial Cities of Cambodia
2. Country name
Cambodia
3. Background
Because of recent increase of traffic accidents due to rapid motorization and that of heart and cerebra-vascular attacks due to life-style changes, needs of Cambodian people for strengthening their emergency medical system have been increasing year by year. However, educational system for emergency medicine from prehospital setting to in-hospital initial management in Cambodia has not been well developed and has not met the needs. International assistance in this field must be necessary to improve their situation. For over ten years, my colleagues and I have a lot of experiences about facilitations in emergency medical trainings and system developments in many, low and middle income countries. Thus, we will be able to make a contribution to the improvement of emergency medical system in Cambodia.
4. Objective
In the past project, we implemented training of trainers (TOT) for health care workers selected from provincial hospitals in Sihanoukville and Siem Reap provinces last year, and established a system for human resource development related to emergency care based on 2 regional cities and the capital city of Phnom Penh. The objective of the project of this fiscal year is to extend our EMS training program to Kampong Cham and Battambang provincial hospitals in collaboration with previously developed trainers in Cambodia.
5. Program outline
<ol style="list-style-type: none"> 1. EMT-Basic training for health workers at Kampong Cham and Battambang provincial hospitals. 2. TOT training and follow-up training for health workers in Sihanoukville and Siem Reap provincial hospitals. 3. Achieve seamless emergency medical care from pre-hospital to in-hospital by investigating current status of each medical institution and provide advices for better practice.
6. Implementation structure
6-1. Japanese side
Center hospital of the National Center of Global Health and Medicine, Department of Emergency Medicine and Critical Care. Graduate School of EMS System, Research Institute of Disaster and EMS, Kokusikan University. Tsukuba University.
6-2. Counterpart country side

Calmette Hospital
Khmer Soviet Friendship Hospital
Preah Kossamak Hospital
Siem Reap Provincial Referral Hospital
Preah Sihanouk Province Referral Hospital
Battambang Provincial Referral Hospital
Kampong Cham Provincial Hospital

7. Indicator	
7-1. Output	<p>Number of conducted on-site training on pre-hospital emergency care for 40 doctors (including 20 people in each city), including nurses.</p> <p>Involvement in on-site training of 4 previously developed instructors in Phnom Penh.</p> <p>Development eight instructors (four at each provincial hospital) for simulation trainings for prehospital emergency care .</p> <p>Providing of medical rally for evaluation seamless abilities from prehospital care to patient information transfer at a emergency department.</p>
7-2. Outcome	<p>Faculty Development of four new leaders for emergency medical education at Kampong Cham and Battambang provincial hospitals</p> <p>Number of participants as instructors in on-site training (comparison with the previous year's project).</p> <p>Number of improved items as results of pre-post evaluation using the World Health Organization (WHO) matrix (Prehospital trauma care systems, WHO 2005) in EMS system of targeted provincial cities and hospitals.</p>
7-3. Impact	<p>Providing quality improvement of seamless emergency care in Cambodia, not only Phnom Penh but also provinces.</p> <p>Providing trainings of human resources development for capabilities of high quality emergency medical services that can meet promote needs through trained physicians.</p>
8. Main activities	
8-1. Training in 2019	
1)	Investigation and needs assessments of the community outside the capital where trainings will be introduced in June or July.(Kampong Cham, Battambang, Siem Reap,
2)	Implementation of training courses by in Kampong Cham and Battambang city in August and November.
3)	Implementation of training courses by in Siem Reap and Sihanoukville city in September and November.
4)	Holding of Medical Rally.(November at Phnom Penh)