

Project to Strengthen Capacity to Manage Patients Requiring Emergency Medical Services Utilizing ICT in Mongolia

1. Background: In Mongolia, where cardiovascular diseases and trauma are on the rise, there is an urgent need to strengthen the capacity of physicians involved in emergency care and to improve the emergency transport system in order to improve the quality of emergency care.
2. Objectives: The objective of this project is to improve the capacity of emergency patient management in Mongolia through the use of ICT.
3. Project Summary: First, physicians involved in emergency patient transport will be taught ultrasound skills necessary for emergency patient transport by physicians from the POCUS Society in Japan. Then, in collaboration with a group from Okayama University, which is working to improve the quality of emergency patient management by using ICT to share patient information, including ultrasound images, with paramedics, training will be provided to Mongolian ministry officials, Emergency Medical Societies, and Emergency Transport Service Department personnel on how to operate a remote image sharing system using ICT. The project will be implemented in cooperation with the Mongolian Ministry of Health.
4. Expected results and subsequent ripple effects: By the end of this fiscal year, we will establish a guidance system for ultrasound examination procedures to be performed during emergency transport, standardize the procedures, and prepare for the introduction of the ICT system in the next fiscal year and beyond.

Introduction of ICT-based remote image sharing system

Okayama University, School of Medicine,
Dept of Emergency, Critical Care, and
Disaster Medicine
Bird's View

Accept
Trainees

Mongolian Ministry of Health
Center for Health Development
Department of Emergency Transport
Service

Collaboration



Training of physicians involved in emergency transport

National Center for Global Health and Medicine
(Dept of Emergency Medicine and Critical Care •
Bureau of International Health)

Accept
Trainees

Mongolian Ministry of Health
Center for Health Development
Department of Emergency
Transport Service

Collaboration



Japan Society of Point-of-Care
Ultrasound/Nippon Sigma

Dispatch the
experts

<Training Schedule>

1. October: Dispatch of experts (3)
After needs assessment (June), POCUS training for doctors involved in emergency transport
2. November/December: Training in Japan (4): Training on operation of remote image sharing system using ICT (preparation for the next fiscal year)
3. January: Dispatch of experts (2)
Support for POCUS training by Mongolian core personnel