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NTT and Cisco to revolutionize stroke treatment in Thailand

January 27, 2021 | News

Partnering the Faculty of Medicine to enhance telemedicine technology efficiency and provide timely treatment to stroke patients at the Siriraj Mobile Stroke Unit



NTT Ltd., a world-leading global technology services provider, has partnered with Cisco to help Siriraj Hospital, Thailand's oldest and largest hospital to use telemedicine to enable rapid treatment for stroke patients.

Known as the Siriraj Mobile Stroke Unit, this special ambulance connects the first responders in the ambulance to the experts at the hospital. This allows doctors to provide immediate attention, medical treatment, and diagnosis to patients during their transfer to the hospital.

Sutas Kongdumrongkiat, CEO of NTT Ltd. in Thailand said, "NTT believes in using technology for good and we are honoured to help Siriraj Hospital provide better care to patients. We understand the importance of timely treatments in stroke patients, which can sometimes be difficult with Bangkok's frequent traffic congestions. We have already installed these technologies in the first mobile stroke unit and are set to extend Siriraj Hospital's fleet of mobile stroke units by five this year."

Equipped with Medical Image Transfer with a high-speed multicellular router and essential medical equipment such as CT scanner, the Mobile Stroke Unit facilitates the medical team to scan the patient's brain and send high-resolution images from the ambulance to the doctors for rapid diagnosis.

Cisco Telepresence video conferencing system was integrated to enable doctors to fully assess the patient's condition and provide remote advice to the first responders allowing them to prepare the best treatment possible. Cisco WebEx on the other hand, facilitates the mobile and hospital-based teams to collaborate and work seamlessly for the optimal outcome.

In service since 2018, the Siriraj Mobile Stroke Unit has helped 380 stroke patients receive emergency medical treatment in Thailand so far. The successful outcome was a result from the utilization of telemedicine technology and communication system that helps Siriraj's medical teams expand the reach of its medical care – thus significantly saving precious time and lowering the risk of death and disabilities to the stroke patients.