
Web Dialogue: ITU-D Study Groups Public Webinar on New E-health Solutions to Combat Pandemics with ICT

PRESENTATION ABSTRACT

Medical ICT Platform for COVID-19 and Stroke

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The doctor-to-doctor telemedicine smartphone app “Join” has been provided in 21 countries focusing on time sensitive acute disease such as stroke. Medical doctors are able to share medical data such as CT image and communicate to make quick decisions to deal with case. Under SDGs project by Ministry of Internal Affairs and Communications of Japan, the usage of Join has been expanded to communicable diseases starting with COVID-19, connecting infectious disease specialists, providing teaching files, teleradiology services, and diagnosis support AIs. The personal health record app “MySOS” and patient monitoring system “Team” have been integrated to support recuperation at home of non-severe COVID-19 patients. The gathered data from MySOS is monitored and scored to catch any signs of severity advancement. Image processing feature of MySOS is measuring severity indicator such as SpO2 & respiratory rate without usage of any medical equipment.