



## **Experience Day 2: Shape the Future: Innovative Revolution of Medical Education for Healthcare Quality and Safety (Taipei Veterans General Hospital)**

Taipei Veterans General Hospital (TVGH) is a national medical center and teaching hospital that provides high quality healthcare and a medical training programme. For continuous improvement in quality and patient safety, TVGH utilises High-fidelity simulation, XR (AR, VR, MR) and Clinical Innovation Center (CiC) to support the revolution of medical education.

The visit to TVGH will take you into a fantastic virtual reality simulation center and a Clinical Innovation Center of the organisation, where participants will learn how TVGH teams deliver their innovative high-tech training across a complex system. Participants will get the opportunity to meet some of the leaders and experts in quality improvement and also hear about some of the projects in action, all presented by front line staff who have worked on the initiatives. The participants will also be invited to join the stream sessions and experience the XR-based training and in situ simulation.

Time	Activity
9:00-9:30	Arrival Lecture Hall, Medical Science and Technology Building
9:30-9:40	Opening Ceremony Superintendent Dr. Deh-Ming Chang Video Briefing of Taipei Veterans General Hospital
9:40-10:00	Session 1: Adopting Extended Reality in training programs Applications for technology-based education, shared decision making and medical gamification
10:00-10:20	Session 2: 3D printing applications Stomatology experience of Using XR/3D printing for good care quality
10:20-10:40	Session 3: Smart Hospital TVGH Application of ICTs for integrated and efficient healthcare services

10:40-11:00	Refreshments
11:00-12:00	Session 4: Site Visiting Center for high-fidelity simulation and XR [extended reality including AR,VR,MR] for holistic care and inter-professional collaboration
12:00-13:00	Lunch Time (Location: Clinical innovation Center)
13:00-14:00	Session 5: Artificial Intelligence (AI)-assisted Clinics (choose one of the following teams for site visiting)  Team A: AI-assisted clinic for cardiac arrhythmia (site visiting: the 3 <sup>rd</sup> outpatient department)  Team B: AI-assisted clinic for imaging diagnosis (site visiting: Department of Radiology)  Team C: AI-assisted clinic for orthopedic fracture (site visiting: the 3 <sup>rd</sup> outpatient department)  Team D: AI-assisted hemodialysis center (site visiting: hemodialysis center)
14:00-14:20	Refreshments
14:20-15:00	Session 6: Medication Safety Applications of ICTs on medication safety (site visiting: Department of Pharmacy)
15:00-15:30	Session 7: Precision Medicine Development and progress of precision medicine at TVGH (site visiting: Precision Medicine Center)
15:30-16:00	Session 8: Early Warning System Introduction of early warning system in clinical areas for safety enhancement. (site: Lecture Hall, Medical Science and Technology Building)
16:00 - 16:30	Closing discussion (site: Lecture Hall, Medical Science and Technology Building)