

Asia Pacific Electronic Health Records Conference 2019

In Collaboration With

Global Digital Health Partnership

16 – 19 Oct 2019 | Hong Kong Science Park



Planning of a Smart Hospital

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CUHK Medical Centre (CUHKMC) is a private teaching hospital wholly owned by The Chinese University of Hong Kong (CUHK). CUHKMC is founded on the social mission of providing quality healthcare to the public with affordable and transparent prices. The hospital is expected to complete construction in mid 2020 and open towards the end of 2020.

The Hospital is planned with extensive adoption of information technology to support its triple aim, i.e. achieving population health, enhancing patient experiences, and reducing financial burden to the patients. An integrated digital strategy is developed that defines the scope of a “Smart Hospital” with 3 essential components: (a) Smart Medicine - a fully digitalized electronic medical record system that support clinical decision making and population health; (b) Smart Care – close loop mobile applications that support doctors, nurses, and patients themselves to go through the patient journeys; (c) Smart Management – strategic adoption of Internet of Things to increase efficiency in the daily operation and management of the patient care and supporting services.

The presentation will highlight the complexities involved in the planning of a “Smart Hospital” and the lessons learned.

