Summary of Care DX session

Care DX (digital transformation) is concerned with the adoption of digital technologies such as AI, VR/AR, ICT and robotics to a wide range of care-related applications in healthcare and social care. The goal is not only to implement digital technologies but also to devise efficient and effective organisations and business models in the care sector.

The first talk by a Chiba University Hospital researcher is on healthcare DX with personal health records and self-management of own healthcare information to elaborate on the impact of DX implementation on the daily care of the elderly. The second researcher from Tokyo Medical and Dental University talks about modelling and estimation of relationships between death time and physiological data, and relationships between patient's daily-living situation and the timing of emergency visits/admission as well as the death timing using AI analyses. The third talk by a researcher from Zenkoukai is concerned with the use of advanced ICT equipment and robots for elderly care facilities to bring benefits to care workers and care recipients. The final talk by a researcher from Capital Medical University, China, is on the use of VR expanding in the medical and nursing settings to support treatment and promote wellness for older people.

Order of talks

1. How will health care DX change health activities?

Prof. Kensuke Yoshimura, Chiba University Hospital, Chiba, Japan

2. Two academic-industry collaborative research activities related to "Care DX" from a nursing perspective：predict a timing of emergency visits/admission as well as a period to death using technology devices

Prof. Sakiko Fukui, Tokyo Medical and Dental University, Tokyo, Japan

3. Nursing care operation with advanced technology

Mr. Yuta Yamanaka, Social Welfare Corporation Zenkoukai, Tokyo, Japan

4. Enhance wellbeing in later life through virtual reality technology

Prof. Qian Xiao, Capital Medical University, Beijing, China