

Y.S. YOON, G-H. KIM, J. HYOUNG CHO, J.H. JEONG. **An interactive platform service for dementia care.** *Gerontechnology* 2016;15(suppl):27s; doi:10.4017/gt.2016.15.s.771.00 **Purpose**

The incidence of dementia tends to explosively increase with the advent of an aging society¹. Patients with dementia usually need to be assisted in the activities of their daily living. Therefore, caregivers should take care of their patients with dementia 24 hours a day, 7 days a week, which may put a huge burden on them². In addition, caregivers may have difficulty obtaining necessary knowledge about how to care patients and also remembering important accidents related to patients which should be reported to clinicians for proper management. Therefore, an interactive platform can connect patients, caregivers and clinicians, is strongly needed. **Method** We plan to develop a platform and a mobile application according to the following process. Patients' activities and sleep duration is recorded automatically, using wearable devices, and then, delivered to the main server through the gateway. Caregivers can get the patients' recorded data from the main server to their application. And by using this user-friendly application, they can record patients' daily details with ease. Alert messages delivered in emergency situations can help caregivers immediately realize what has happened and bring their patients to hospital earlier. Clinicians can check patients' records which have been kept by caregivers on the application, through the website when the patients and caregivers visit the clinic. **Results & Discussion** By developing this service, we expect to (i) decrease the healthcare costs spent on unnecessary medical services for dementia patients, (ii) prevent unexpected accidents related to patients using monitoring bio-information, and (iii) reduce the stress burden of caregivers.

References

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