

A. OMATA, Y. SAKANE, S. ISHIKAWA, M. HONDA, M. ITO, Y. TAKEBAYASHI. **Constructing a video-based remote coaching platform to develop professional skills in dementia care.** *Gerontechnology* 2016;15(suppl):136s; doi:10.4017/gt.2016.15.s.770.00 **Purpose** In accordance with rapid growth of our aging society, there exists social concern regarding the quality of care, particularly for people with dementia. In recent years, research indicates that appropriate communication mechanisms by caregivers prevent Behavioral Psychological Symptoms of Dementia (BPSD)¹, and improves the quality of life of people with dementia. Historically, communication skills of caregivers have been reliant on individualized experiences. Subsequently, the development of a standardized training system for professional caregivers is strongly needed. For developments in caring e-learning systems, several studies have been conducted focusing on nursing e-learning environments²⁻³. In this study, we focus on training and coaching efforts via video interactions. Our purpose is to apply an e-learning system to trainers and trainees to develop dementia care skills. **Method** For our study, we use Humanitude, a multimodal comprehensive care methodology of French-origin tailored to vulnerable older adults¹. In Humanitude, instructors point out ways to improve care techniques and other approaches by videos of trainee caregiving processes 'in-real time'. *Figure 1* shows our platform which supports video interactions between trainer and a trainee revealing their caring skills. The two stage process for interactive video coaching includes: (i) Trainee video submission depicting care processes for an older adult. (ii) Trainers subsequently evaluate the trainee's care processes, and provides feedback through video responses made at their own leisure. The tool enabled trainers to effectively contribute their knowledge and expertise and trainees are able to learn, flexibly, appropriate caregiving skills to enhance the quality of life of persons living with dementia. **Results & Discussion** We have constructed a video-based remote coaching platform to enhance caregiving skills of persons providing care to older adults with dementia. Remote video dialogue between trainers and trainees resulted in critical reflections of care providers' caregiving skills. Results suggest that our platform effectively enhanced trainees' self-awareness for caregiving and improved their communication techniques.

References

1. Honda M, Ito M, Ishikawa S, Takebayashi Y, Tierney L. Reduction of Behavioral Psychological Symptoms of Dementia by Multimodal Comprehensive Care for Vulnerable Geriatric Patients in an Acute Care Hospital: A Case Series. *Case Reports in Medicine* 2016; ID 4813196; doi:10.1155/2016/4813196 (online)
2. King C, Kelder J-A, Doherty K, Phillips R, McInerney F, Walls J, Robinson D, Vickers J. Designing for quality: the Understanding Dementia MOOC. *Leading Issues in eLearning* 2014;12(2):161-171
3. Huang Z, Nagata A, Kanai-Pak M, Maeda J, Kitajima Y, Nakamura M, Aida K, Kuwahara N, Ogata T, Ota J. Self-Help Training System for Nursing Students to Learn Patient Transfer Skills. *IEEE Transactions on Learning Technologies* 2014;7(4):319-332; doi:10.1109/TLT.2014.2331252.
4. Koumoutsakis T, Breckinridge Church R, Alibali MW, Singer M, Ayman-Nolley S. Gesture in Instruction: Evidence from Live and Video Lessons. *Journal of Nonverbal Behavior* 2016; doi:10.1007/s10919-016-0234-z (online)

Keywords: learning system, dementia care, skill science
Address: Shizuoka University, Hamamatsu Shizuoka 432-8011, Japan;
E: o_atsushi@takebay.net

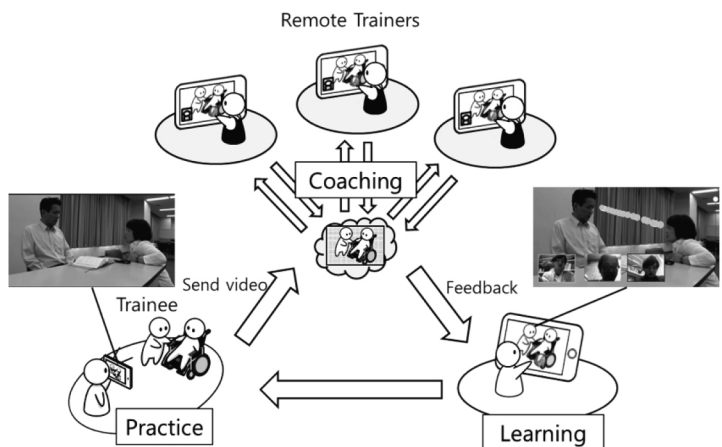


Figure 1. Video interactions between trainers and a trainee