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A Method for Extracting Information from the Date of Residents' Locations in Group Home

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According to the increase of people over 65 years old, the ratio of people over 65 years old in elderly with dementia is increasing. So the nursing to elderly with dementia has become urgent task. Former nursing mainly used physical restriction on behavioral disorder (wandering…etc). But the Person-Centred Care is the most popular treatment method now. This kind of new treatment method respect patient's dignity and encourage patients do what they can. The target is providing minimum care to respect person hood. First of all, we should understand the personhood. This task requires full-time observation and scientific method to analyze the data. In current stage, the biggest problem is a lack of nurse's number. It's difficult to do many tasks with observation at the same time (cooking, cleaning, washing bathroom …etc). Because nursing needs long-term and full-time observation so the prediction is difficult task.

The purpose of this research is applying the useful information extraction method from patient's position information by using Radio Frequency Identification. We do not only get extraction method of tendency to action with safe, fulfilled life, but also analyzed the movement number of times and got scientific data to show useful information to understand the patient.

Finally, quality of the care has been improved.