

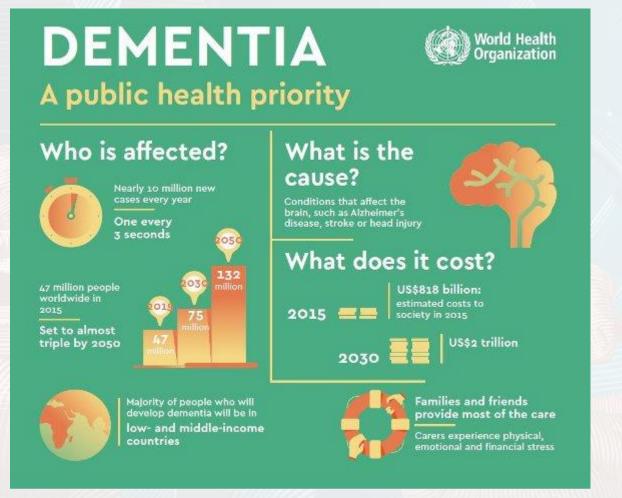
Our team....



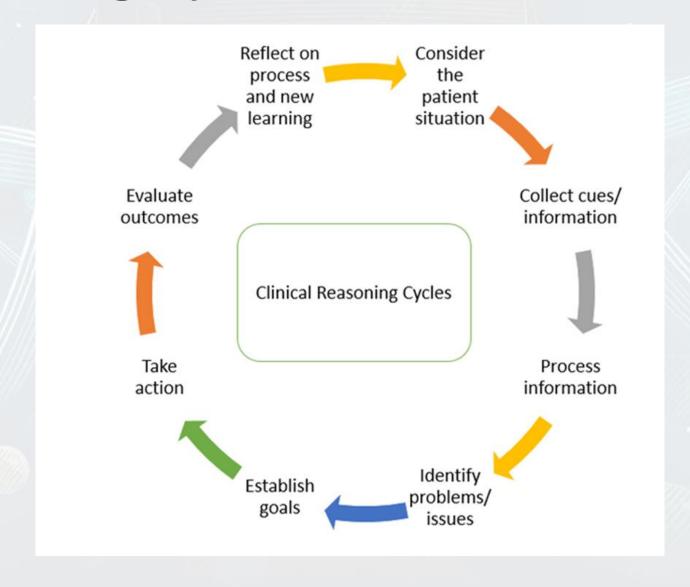
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Introduction

- According to WHO (2017)
 - Dementia is one of the major causes of disability and dependency among older people worldwide.
 - Skills and knowledge are important in caring for elderly and negative attitudes towards dementia can be an obstacle to provide better care for dementia clients.



Clinical Reasoning Cycle



Levett-Jone et al (2010)

VR simulation-based learning

- Virtual reality-based simulation training is useful to allow nursing students to experience and understand dementia patients
- Integrate knowledge and practice, and fostering clinical reasoning
- Develop a positive attitude towards dementia patients

Study aims:

Does virtual reality-based simulation training improve nursing students' confidence and competence in caring dementia patients?



Methods



- Cohort study design
- 102 final year nursing students
- Tutorial using VR video
- Questionnaires concerning their learning and clinical reasoning with virtual patients were used to evaluate nursing students' experiences with VR.



Three VR videos/ 3D simulation case scenarios were developed

- 1. Hospital setting
- 2. Home setting
- 3. Community setting

Findings



- Confidence in the management of dementia patient (mean diff=0.38, p<0.000)
- Competent in the management of dementia patient (mean diff=0.427, < 0.000)
- 84% nursing students felt better prepared to care for dementia patients
- 85.2% nursing students stated they had worthwhile learning experiences.

Conclusion

 Simulation-based teaching using VR can enhance nursing students' confidence and competence in caring dementia patient





References

- Levett-Jones, T., Hoffman, K., Dempsey, J., Jeopng, S. Y., Noble, D., Norton, C. A., Roche, J., & Hickey, N. (2010). The 'five rights' of clinical reasoning: An educational model to enhance nursing students' ability to identify and manage clinically 'at risk' patients. *Nurse Education Today, 30*, 515-520.
- WHO (2017). Dementia. Retrieved from: https://www.who.int/news-room/fact-sheets/detail/dementia