

Nurses' Perception towards the Use of Advance Medical Devices in Critical Care Units

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Introduction

- Medical equipment is design to aid in the diagnosis, monitoring or treatment of medical conditions.
- Advancement in technology cause traditional medical equipment to become more sophisticated in function and structure.
- When using this advance medical devices (AMD), critical care nurses may have both positive and negative perception towards the patient, nursing care and the nursing profession.

Objective

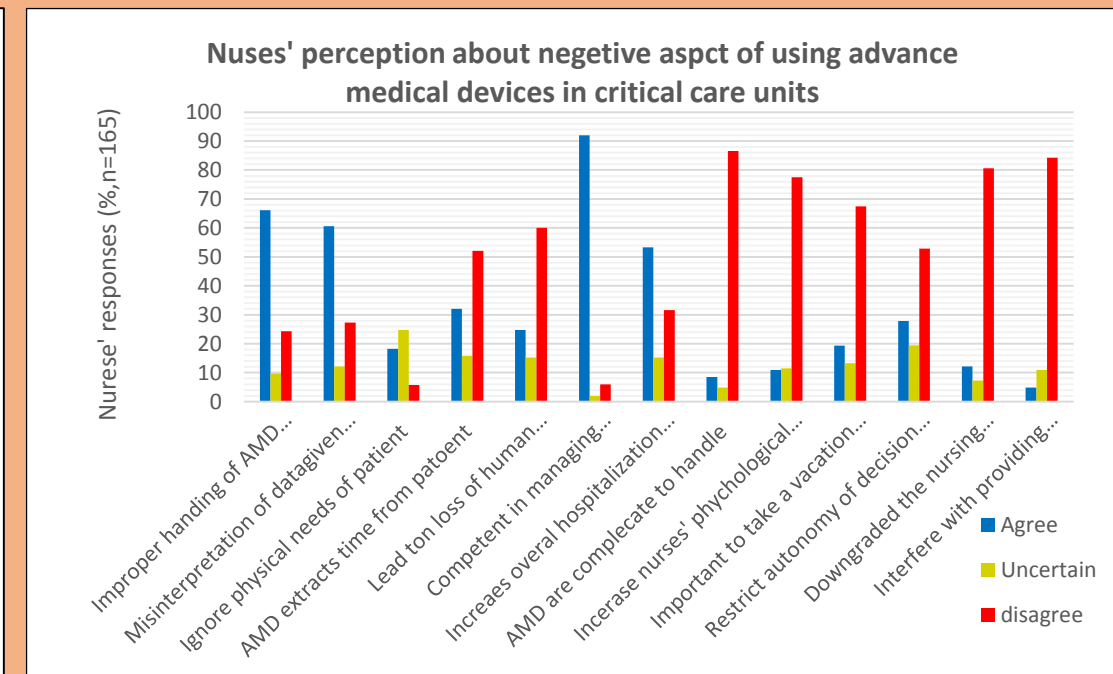
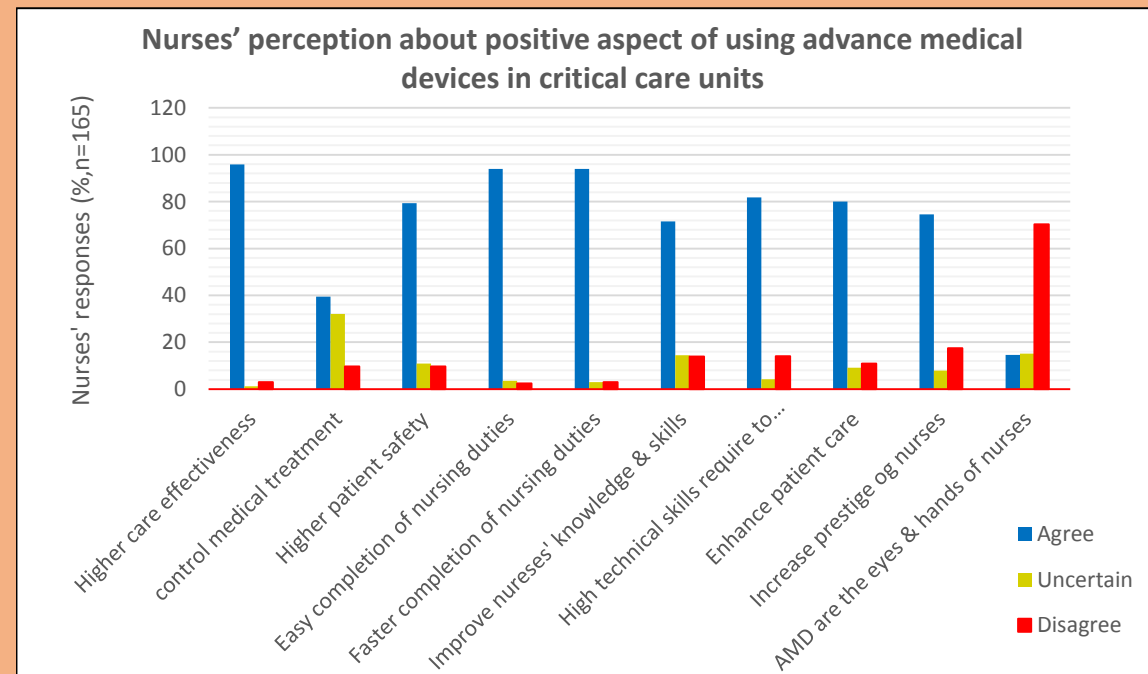
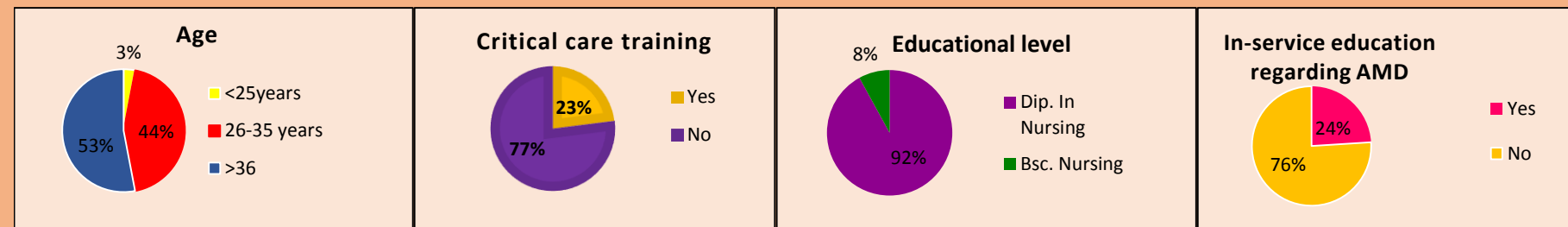
To examine nurses' perception towards use of AMD in critical care units of four hospitals in Rathnapura district.

Methodology

Research approach & design	Quantitative, non- experimental, descriptive cross-sectional
Study settings	Critical Care Units of four hospitals in Rathnapura district, Sri Lanka
Population & Sample	Critical care nurses 225 critical care nurses in both genders who were employed ≥ 2 years
Data collection Instrument	Previously validated, pre tested, self-administered questionnaire
Data analysis	Five-point Likert scale ranging from nurses' perception strongly agree to strongly disagree
Ethical clearance	ERC in Sabaragamuwa University of Sri Lanka

Results

Socio-demographic data



Discussion

- Nearly all nurses (98.5%) accepted that use of AMD may provide higher care effectiveness while 79% of the nurses agreed that they may provide higher patient safety through proper recognition of complications of using AMD (Kanjakaya, 2014).
- Most of the nurses accepted that the use of AMD helps them to improve their knowledge and skills, and leads to easy completion as well as faster completion of nursing duties (Adel et al., 2014).
- A considerable proportion of nurses thought that improper handling of AMD (66%) and misinterpretation of data (60%) may increase patient risks (Kiekkas et al., 2006).

Conclusion

Though critical care nurses' perception towards the use of AMD was found to be desirable, appropriate measures are required to develop the nurses' perception towards a more positive direction, and thereby to improve the quality of care provided by them.

References

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