

NURSES' VIEWS ON CHALLENGES IN ELDERLY CANNULATION: A SURVEY

¹Maswinda Sari Haji Zainal, ¹Nuramalina Abd Rahman, ²**Rozita Haji Tamin**, ²Zainatul Ashiqin Haji Salleh, ³Liling Chaw, ⁴Khadizah H. Abdul-Mumin, ⁵Munikumar Ramasamy Venkatasalu

¹BHSc Nursing Candidates, ²Lecturer (Nursing/Midwifery), ³Lecturer (Biostatistics/Public Health),

⁴Assistant Professor, ⁵Professor in Cancer and Palliative Care,

Universiti Brunei Darussalam, PAPRSB Institute of Health Sciences,
Negara Brunei Darussalam.
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Presenter

Rozita binti Haji Tamin

Lecturer (Nursing)

Pengiran Anak Puteri Rashidah Sa'adatul Bolkiah Institute of Health Sciences (PAPRSB IHS), Universiti Brunei Darussalam [UBD]

rozita.tamin@ubd.edu.bn

Negara Brunei Darussalam

- Nation of Brunei
- Abode of Peace
- نڬارا بروني دارالسلام



The Sultan of Brunei

**His Majesty Sultan
Haji Hassanal Bolkiah
Mu'izzaddin Waddaulah
Ibni Al-Marhum Sultan
Haji Omar Ali
Saifuddien Sa'adul
Khairi Waddien.**





Universiti Brunei Darussalam (UBD)



Pengiran Anak Puteri Rashidah Sa'adatul Bolkiah Institute of Health Sciences (PAPRSB IHS), UBD





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Outline:

- Background of the study
- Research question
- Methodology
- Findings
- Conclusion

Background of the study

- Increasing number of aging population globally leads to steady increase of usage of hospital services by older people.

Population

Characteristics

- Older people's veins are more prominent, but fragile and easily damaged to venipuncture due to the aging process which also may be exacerbated by hypothermia that may cause vasospasm (Fabian, 2010).

- The existing vein finder has demonstrated improved venipuncture in invisible veins and reduce failure rate in the elderly, however it cannot prevent the risk of accidental arterial puncture during cannulation.

Current Method

Aim:

- To explore nurses' views on challenges in cannulation practices on older people.

Objectives to:

1. discover nurses experiences of traditional methods of elderly cannulation.
2. identify nurses views on challenges of using traditional method in elderly cannulation.

Research Questions:

- What are the nurses' current level of knowledge, attitude and practice of elderly cannulation procedure in Brunei Darussalam?
- What are the nurses' views on challenges of using conventional method and in performing elderly cannulation?

Methodology

Settings:

- Nurses at Raja Isteri Pengiran Anak Saleha (RIPAS) Hospital and Suri Seri Begawan (SSB) Hospital
- Medical Department
- Surgical Wards
- Accident and Emergency Department

Sample Size:

- Distributed to 100 nurses
 - 80% responded

Instrument Used:

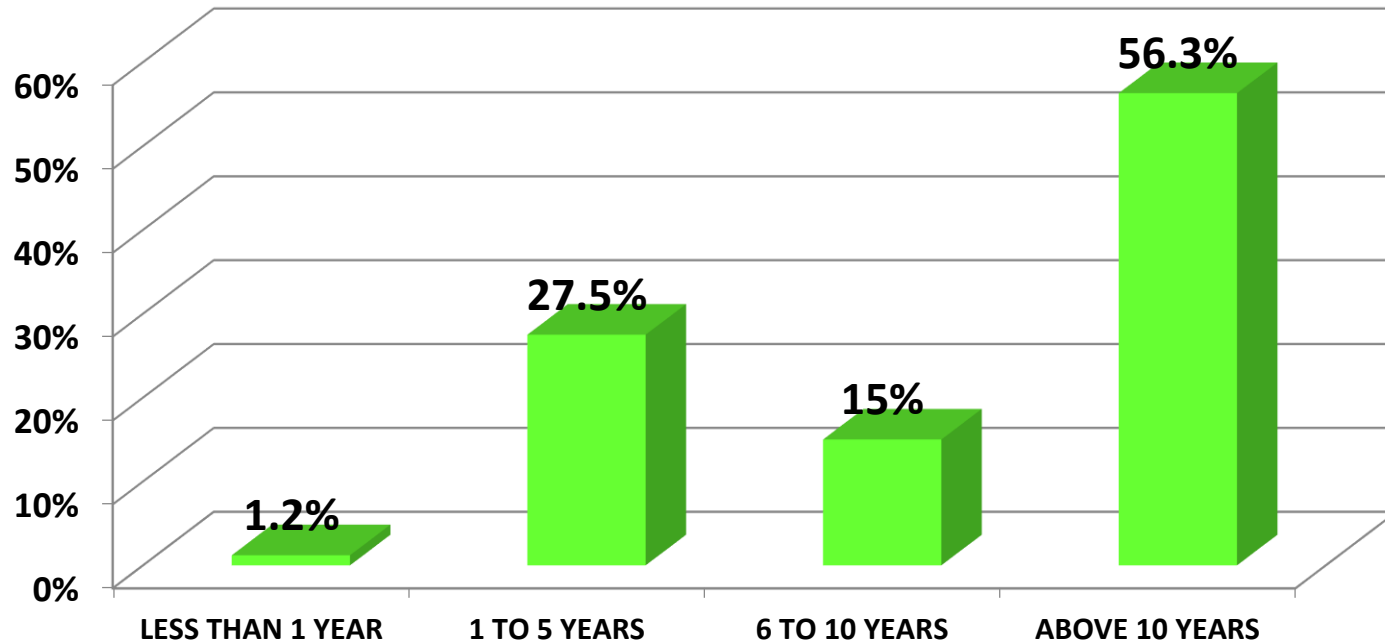
- Self-developed questionnaires with both open and close ended questions were piloted & used.
- Data were analysed descriptively using R software (version 3.3).

Questions Theme:

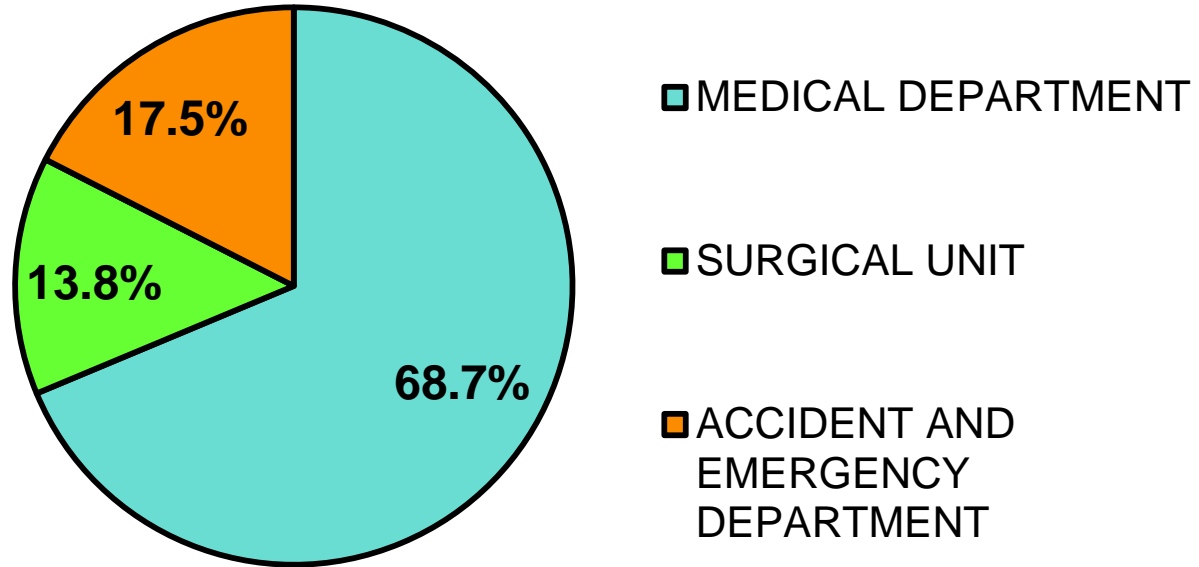
1. Demographics - Working experience and working environment
2. Knowledge – Physical assessment, method use to aid in elderly cannulation.
3. Attitude – Appropriateness of using current cannula and level of satisfaction on performing elderly cannula.
4. Practice – The frequency and duration for successful elderly cannulation.

Findings

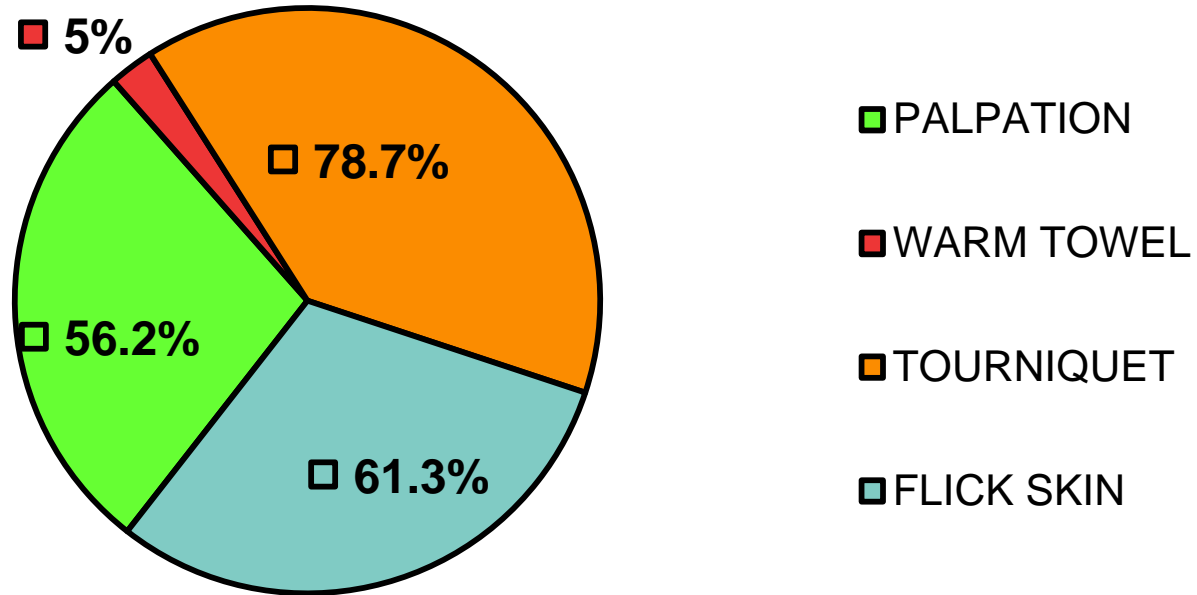
Working Experience



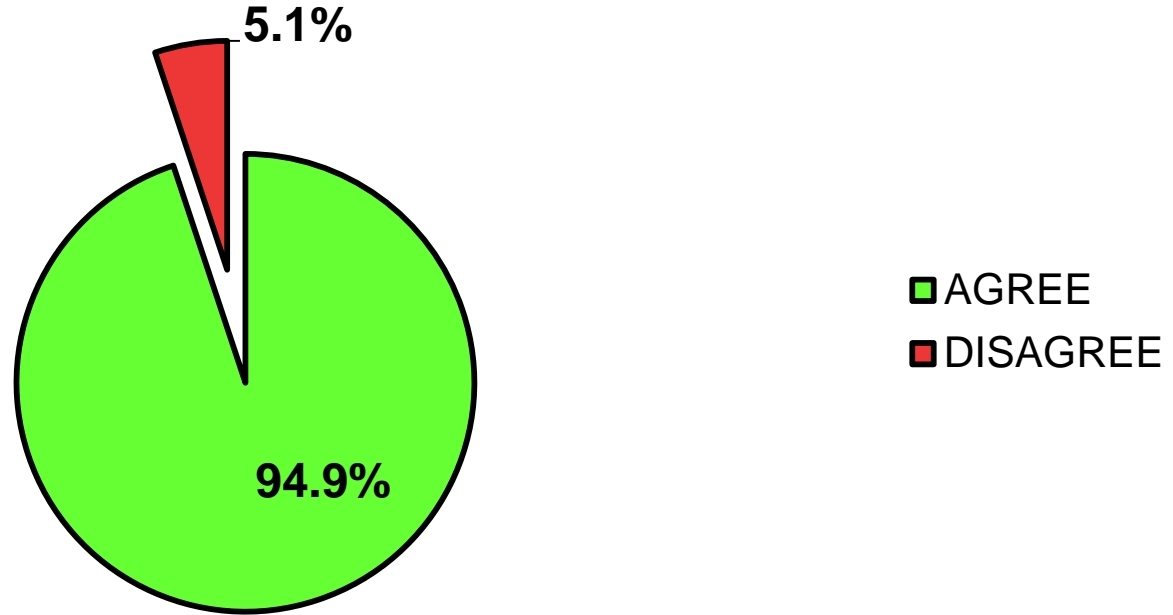
Working Environment



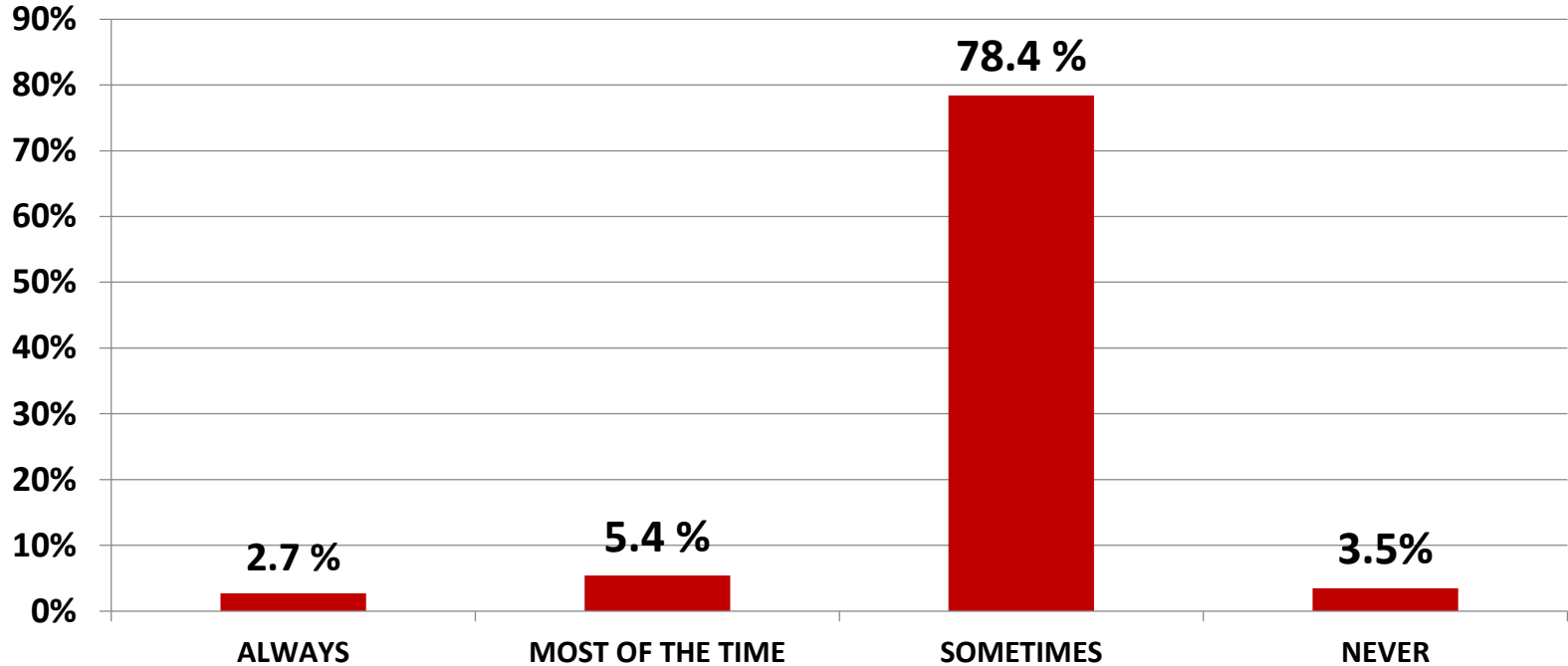
Physical Traditional Method Assessment



Nurses' Views on Using Current Traditional Method



Frequency of Vein Finder Usage on Elderly



Conclusion

The current vein finder device available at the RIPAS and SSB hospitals are not specifically designed for older people.



This may be the likely cause that the device was not consistently and frequently used by the nurses. Hence the preference to use the traditional methods of assessing older people's vein.



Further research should be carried out to improve cannulation techniques for elderly.

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End of Session

Terima Kasih