Irene Sirevåg, PhD student

07/09/2023

Making operating room nurses' non-technical skills visible

University
of Stavanger

Co-authors:
Ingrid Tjoflåt, Professor
Britt Sætre Hansen, Professor

Paper 2: Expanding the non-technical skills vocabulary of operating room nurses: a qualitative study

Aim:	To explore OR nurses NTS outside CRM
Design:	Delphi technique
Data:	Qualitative data from round 2 of Delphi survey (n=96)
Data analysis:	Inductive thematic analysis

University of Stavanger

Non-technical skills

Non-technical skills are 'the cognitive, social, and personal recourse skills that complement technical skills and contribute to safe and efficient task performance.'

(Flin, O'Connor, & Crichton, 2008)

Photo: Elisabeth Tønnessen

University of Stavanger

Crew resource management

▶ Situation awareness

▶ Decision making

▶ Communication

▶ Teamwork

▶ Leadership

▶ Managing stress

▶ Managing fatigue

(Flin, O'Connor, & Crichton, 2008)

University of Stavanger

Background

Traditional adaptation of CRM

Alternative approach

Pilot

ORN

Pilot

ORN

07/09/2023

Method:
Delphi technique

▶ Qualitative narratives from Round 2

▶ 96 operating room nurses

▶ 35000 words

(Keeney et al., 2011)

University of Stavanger

Inductive thematic analysis:

Professionalism

Ethical competence

Professional accountability

Engaging in respectful care and practice

Being the patients' guardian and advocate in the OR

Displaying tailored professional competence

Displaying autonomy, confidence, and courage

University of Stavanger

Results:
Ethical competence

- Engaging in respectful care and practice

- Being the patients' guardian and advocate in the OR

University of Stavanger

Discussions:
Ethical competence as NTS

- What is caring in operating room nursing?

- Caring when it is invisible for the patient

- Value conflicts in the OR

- The last line of defence in the OR

(Barnard and Sandelowski, 2001, Bull and FitzGerald, 2006, Nordström and Wihlborg, 2019, Voight, 2009, Yang et al., 2012)

University of Stavanger

Results: Professional accountability

- Displaying tailored professional competence

- Displaying autonomy, confidence, and courage

Photo: Pixabay.com

University of Stavanger

Discussions:
Professional accountability

- Sense of responsibility
- Verbalising OR nursing
- Making OR nursing visible

(Allen, 2015, Eriksson et al., 2020, Levesque et al., 2022, Nordström and Wihlborg, 2019)
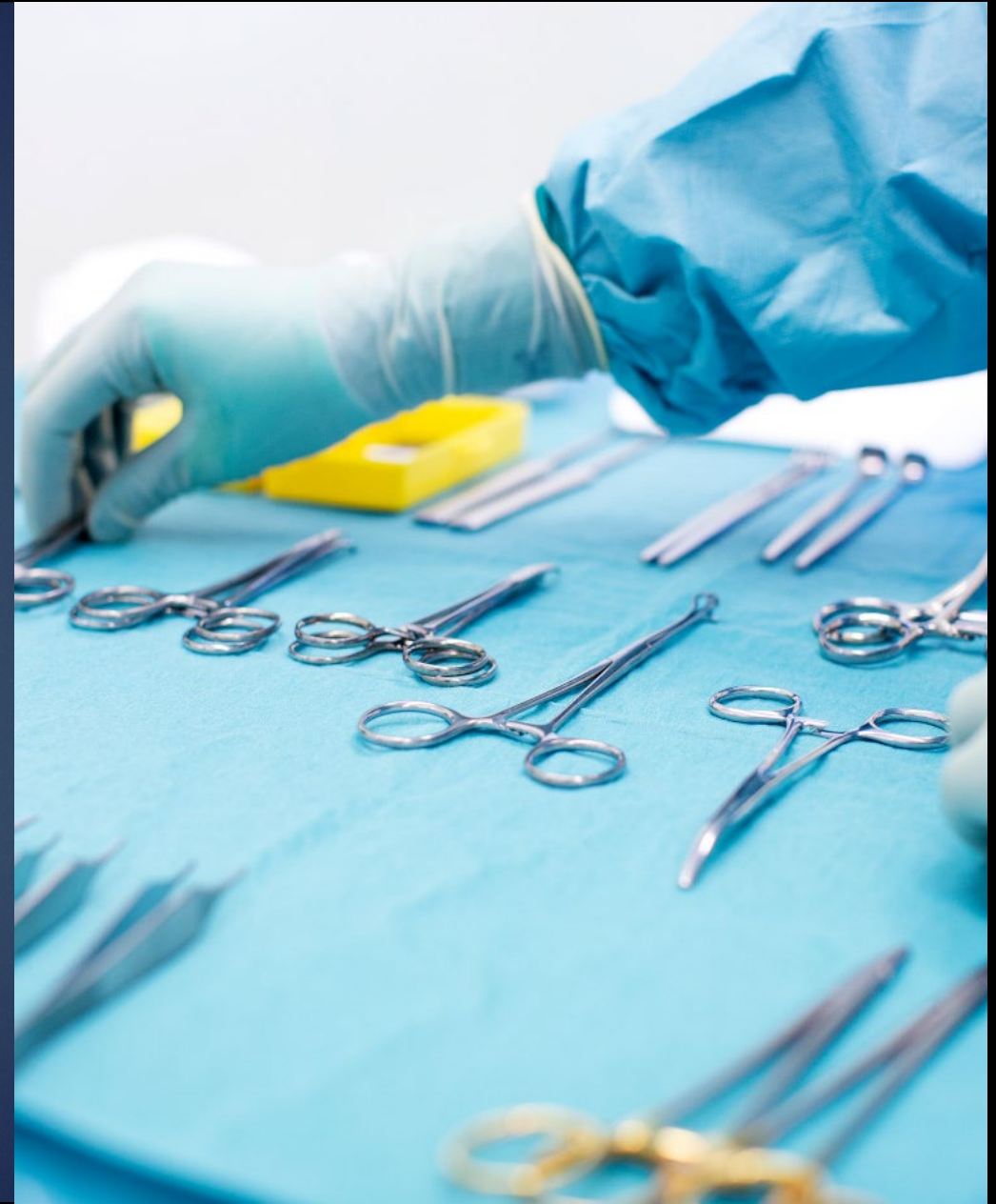
Photo: Pixabay.com

University of Stavanger

Conclusions

▶ A new approach to adapting crew resource management to health care

▶ New non-technical skills have been identified

▶ Informs the development of a new behavioural marker system for operating room nurses non-technical skills

University of Stavanger

References

Allen, D., 2015. The Invisible Work of Nurses: Hospitals, Organisation and Healthcare. London: Routledge, London.

Barnard, A., Sandelowski, M., 2001. Technology and humane nursing care: (ir)reconcilable or invented difference? J Adv Nurs 34 (3), 367-375.

Blomberg, A.-C., Bisholt, B., Lindwall, L., 2019. Value conflicts in perioperative practice. Nurs Ethics 26 (7-8), 2213-2224.

Bull, R., FitzGerald, M., 2006. Nursing in a technological environment: Nursing care in the operating room. Int J Nurs Pract 12 (1), 3-7.

Eriksson, J., Lindgren, B.M., Lindahl, E., 2020. Newly trained operating room nurses' experiences of nursing care in the operating room. Scand J Caring Sci 34 (4), 1074-1082.

Flin, O'Connor, Crichton, 2008. Safety at the Sharp End. CRC Press, Boca Raton, Florida.

Keeney, S., Hasson, F., McKenna, H., 2011. The Delphi Technique in Nursing and Health Research. Wiley-Blackwell, West Sussex, United Kingdom.

Levesque, M.J., Etherington, C., Lalonde, M., Stacey, D., 2022. Interprofessional Collaboration in the OR: A Qualitative Study of Nurses' Perspectives. AORN journal 116 (4), 300-311.

Nordström, A.M.R.N., Wihlborg, M.P.R.N., 2019. A Phenomenographic Study of Swedish Nurse Anesthetists' and OR Nurses' Work Experiences. AORN J 109 (2), 217-226.

Voight, P.E., 2009. Our Value as Nurses. AORN J 89 (5), 821-822.

Yang, Y.T., Henry, L., Dellinger, M., Yonish, K., Emerson, B., Seifert, P.C., 2012. The Circulating Nurse's Role in Error Recovery in the Cardiovascular OR. AORN Journal 95 (6), 8.

Thank you for your attention

07/09/2023

University of Stavanger