Interprofessional Learning in Adult Critical Care: Early findings of a focused ethnographic study

**BACKGROUND**
Due to its complexity, critical care requires numerous professionals to effectively work together (Rose, 2011). However, further exploration is needed to ascertain how different critical care staff working together also learn with and from each other in this particular environment. The critical care setting is claimed to have the potential to share interprofessional knowledge between staff (Wagter et al., 2012). However, Paradis et al. (2014) emphasise limited knowledge in this area at present, despite recognition that interprofessional collaboration in critical care units improves patient safety and quality of patient care. They claim that there needs to be increased understanding regarding the effects that culture or context have on shaping interprofessional practices and advocate ethnography as an appropriate research methodology.

**AIM**
To explore the culture of interprofessional learning (IPL) within adult critical care settings.

**OBJECTIVES**
- To develop a rich description of the interprofessional learning culture in adult critical care clinical practice.
- To understand in-depth critical care practitioners' perceptions & experiences of interprofessional learning (IPL) within adult critical care clinical practice.
- To identify which factors are perceived to promote or inhibit effective IPL.

**METHOD**
The multi-site research is in fulfilment of doctoral study.
- Data collection: 12 months
  - 3 different NHS Hospital critical care units
  - January 2016 – December 2016
- Methodology: Focused ethnography
- Observation: 90 hours estimated
- Interviews: 12-36 hours
- Data analysis: Constant comparison

Focussed ethnography was chosen to develop a rich description of the interprofessional learning culture in adult critical care. Participants are being observed in clinical practice using partial participant observation and four staff groups (nurse, HCA, doctor and physiotherapist) are being interviewed on a one-to-one basis using semi-structured interviews.

**FINDINGS**
Early analysis of findings confirm that critical care staff are a rich source of knowledge and various conduits seem to facilitate effective IPL. IPL does appear to exist in adult critical care settings and this is explicated by numerous learning theories. Three themes are emerging from the iterative data analysis thus far: Creating Space & Time for IPL, Collaborative IPL and IPL & Humanistic Values. An emergent theoretical framework is also developing which is influenced by social constructionism, socio-cultural learning theory and complexity theory. The IPL culture in critical care can be influenced by organisations and groups. However, variability in the IPL culture can be accounted for by the behaviour of individuals within the adult critical care setting. An early explanation for this is to theoretically consider that there might be a changeable holistic IPL ‘climate’ which is repeatedly influenced by the individuals in the critical care setting at any given time. The climate influences can be psychological, physical, emotional, spiritual, intellectual or social in origin. IPL is also not linear; it results in different levels of knowledge construction (deep and surface learning) and varying levels of learner recognition and awareness of IPL.

**THE INDIVIDUAL & INTRINSIC INFLUENCES**
- Time: finding it, formal vs. informal, study leave
- Deadlines: HEI courses, competencies, targets
- Spatial Theory: proximity between patients & staff
- Territory: safeguarding learning zones
- Freedom: space to move, constraints

**EMERGING THEORETICAL FRAMEWORK**

**THE ORGANISATION, GROUPS & EXTRINSIC FACTORS**

**IMPLICATIONS FOR PRACTICE**
This study provides increased understanding of the components which facilitate effective IPL in the adult critical care setting. It has the potential to improve the quality of care for patients and to promote knowledge development of critical care staff.

The research findings could optimise the environmental design of learning spaces in adult critical care; ‘creating space for IPL’. The importance of safeguarding time and opportunity for IPL could also be factored into daily critical care practices and adopting a humanistic approach to IPL and team working may also prove beneficial to IPL in adult critical care settings.

This exploratory study invites further research into IPL in adult critical care settings to improve the quality of care provided.

**REFERENCES**
- Rose, L. (2011) "Interprofessional collaboration in the ICU: how to define?" Nursing in Critical Care, 16 (1) pp.5-10.

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