



Strategies against simulation learning resistance

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EduSim | Healthcare simulation

At a glance



R.C.Gaupp on behalf of SESAM

COI

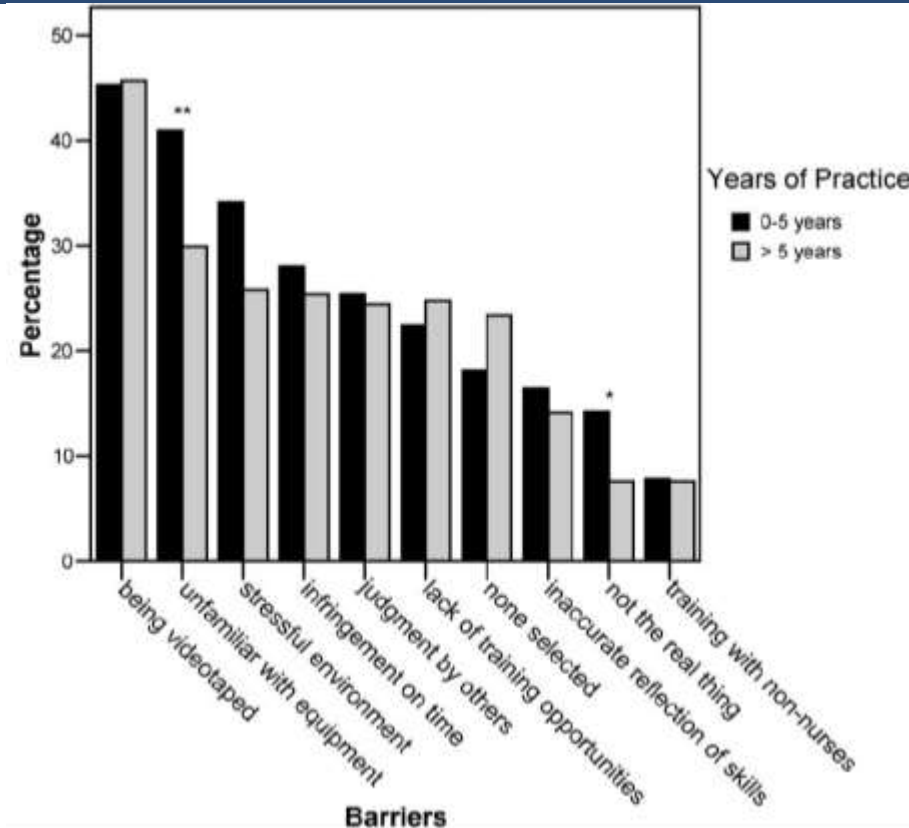
Author has no conflicts of interest to declare.

- Review:
 - ▣ Barriers to participate at simulations.
 - ▣ Effects of learning barriers on learning process.

- Strategy:
 - ▣ Development of a simulation-compliance-concept

Barriers to participation

- Being video-taped.
- Unfamiliar with equipment.
- Stressful environment.



Realism to decrease resistance?

□ „Not the real thing“ not a major issue (DeCarlo 2008).

vs.

□ “Perceived relevance correlates well with perceived level of realism ($P = 0.008$)“(Gaupp 2012).

➔ Not physical, but **semantical realism** is relevant.

Resistance = Learning barrier

- ❑ Adults learn independently and self-directed.
- ❑ Adults seek to apply new knowledge.

- ❑ Learning barriers impede motivational and volitional learning strategies.

Clapper, T. C. (2010). Beyond Knowles: What Those Conducting Simulation Need to Know About Adult Learning Theory. *Clinical Simulation in Nursing*, 6(1), e7–e14. doi:10.1016/j.ecns.2009.07.003

Knowles, M. (1980). *The modern practice of adult education*. (Revised and updated edition.). Chicago: Association Press.

Participant compliance concept

Scenario-design

Code of Conduct

Familiariaztion

Individualisation

Feedback

Compliance

5 Factors model

Scenario design

- ❑ Supports adult learning.
- ❑ Increases semantic realism.

Code of conduct

- ❑ Transparency to reduce anxiety.
- ❑ Clarification of video use.

5 Factors model

Familiarization

- Introduction in medical and educational equipment.
- SimNurse helps to reduce equipment problems.

Individualisation

- Meet the learners requirements.
- Establish fit with learners experience.

5 Factors model: Feedback

- ❑ Stick to discussion of learning objectives.
- ❑ Agree on simulation deficits.
- ❑ Establish future plans.
- ❑ Facilitate integration of learning objectives in daily practice.

20th Anniversary Meeting

of the Society in Europe for Simulation Applied to Medicine



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