(28) Presence and High Fidelity Patient Simulators in Anaesthesiology: Influences Derived From Interviews and Questionnaires

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Abstract

High Fidelity Patient Simulators, are used increasingly in anaesthesiology for different purposes. One goal of a “rational use of simulation” [1] is to “enable” [2] participants to experience presence. To gain an improved understanding of influences on presence in simulator scenarios we conducted an interview and questionnaire study with six anaesthesiologists each taking part in three simulator scenarios after providing informed consent.

Interview results show many influences on the authentizity of scenarios (Figure 1). Within the scenario participants’ own actions, “role play” of trainers, switching to a meta perspective, technical features and task demands were mentioned. From outside the scenario emotional aspects of the “new situation”, group dynamical factors and anticipations towards the setting were pointed out. Questionnaire results show a fair amount of variability in experienced authenticity, despite consistently experienced high scenario plausibility and realistically experienced patient treatment.

The results are valuable to adapt research on presence to (patient) simulators. Presence during scenarios is influenced by a variety of factors from the simulator setting [3]. Their interplay has to be taken into account according to training and research goals.

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References