

RESEARCH TOPIC CLI30

Patient safety: management and error analysis through high fidelity clinical simulation scenarios Comparison of advanced methods with root cause analysis

Laboratory name

Risk management, clinical quality

Supervisor

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Abstract

Patient Safety is a primary objective in Healthcare. However, adverse events during hospitalization are common, it is estimated that about 1 in 10 patients may be affected, with a considerable impact on mortality and disability. With this Ph.D. we want to investigate the effectiveness of simulation methods as an error analysis tool through a comparison with more traditional systems such as root cause analysis which in the literature seem to have limits of effectiveness. Specifically, the objective is to choose the three most common errors reported and verify, during the observation period, how an analysis conducted with the aid of a reproduction of the event through simulation and subsequent in-depth analysis with structured debriefing can find the root causes and reduce the incidence of error.

Scientific references

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N. of months abroad

6 months, at Institute of Aerospace Medicine, German Aerospace Center (DLR) 51147 Cologne, Germany

N. of months at the cofounding company

6 months, at Accurate Srl

Type of contract

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