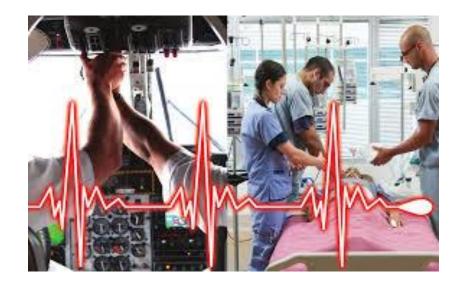
Evaluation of Consecutive Guided Training to Improve Interrater Agreement in Identifying Elements of Situation Awareness within OSCE Assessments



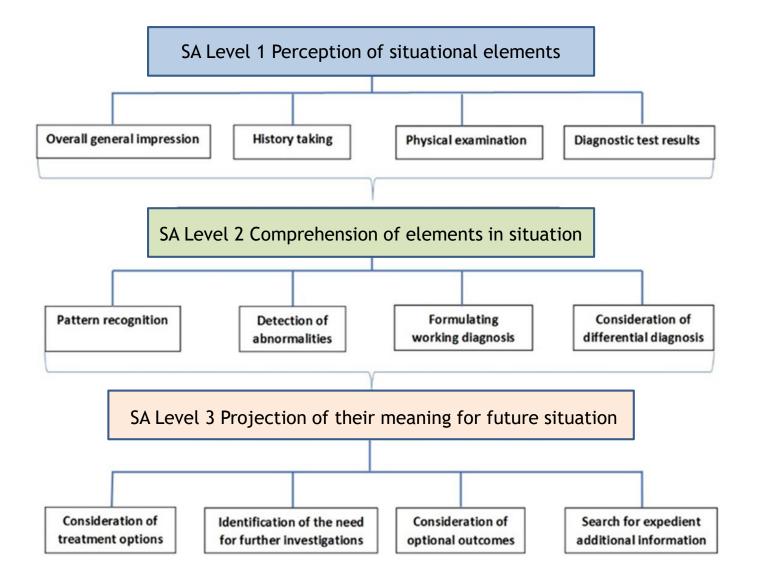
Markus Fischer PhD Student School of Medicine National University Ireland, Galway

M. Schijven, KM Kennedy, S. Durning, TJB Kropmans

Endsley`s Model of Situation Awareness



Situation Awareness in Clinical Context



Previous Studies

RESEARCH ARTICLE

Open Access



Situational awareness within objective structured clinical examination stations in undergraduate medical training - a literature search

Markus A. Fischer^{1*}, Kieran M. Kennedy¹, Steven Durning², Marlies P. Schijven³, Jean Ker⁴, Paul O'Connor⁵, Eva Doherty⁶ and Thomas J. B. Kropmans¹

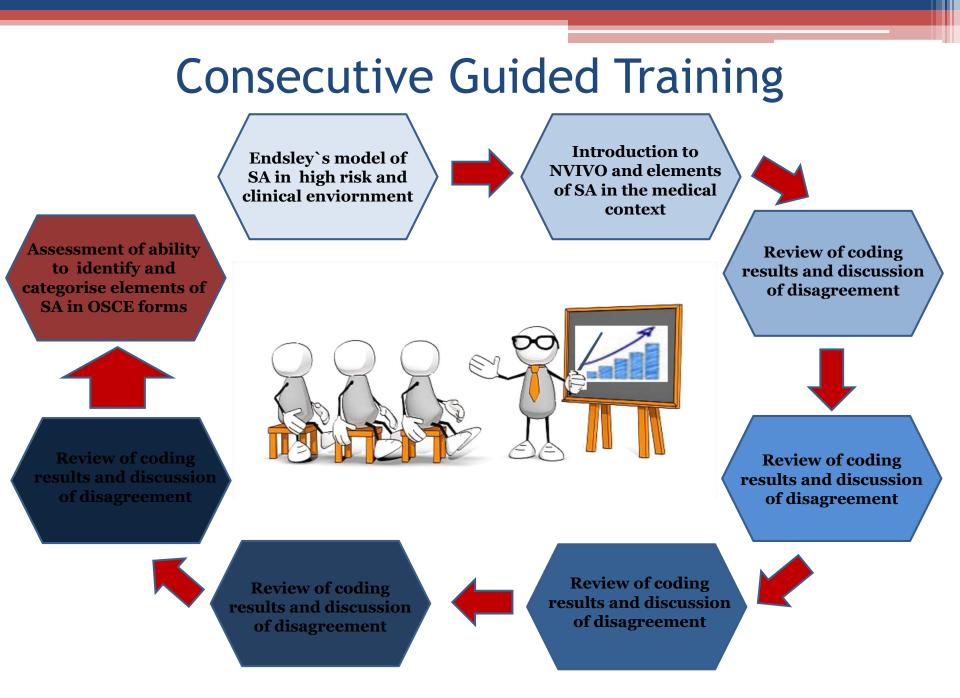
Original Research Article

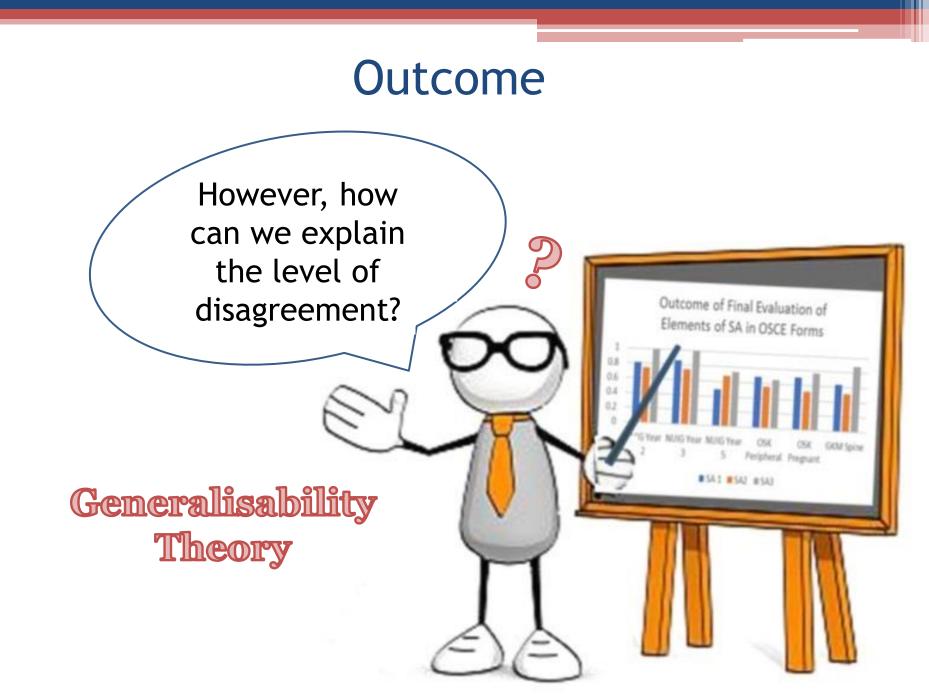
Outcome: Validity of tool, however,

moderate interrater agreement

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Generalisability Theory

supports the identification of the variability of sources of error around the observed score of agreement

Generalisability Study: Main facets of variation and their interaction

- OSCE Forms
- Individual Raters
- Levels of SA
- Elements of SA

Decision Study: Effect of experimental measurement designs on the reduction of error

Summary of Findings

- Consecutive Training improved the Level of Interrater Agreement
- Training enables educators and examiners to understand the concept and to identify elements of SA
- Increase of raters has no impact on superior outcome
- Increase of number of forms suggested increment of reliability

Take Home Message

- Design of OSCE score sheets benefits from understanding of SA
- Identifying of key elements of cognitive competencies were demonstrated as being difficult
- The amendment of the SA score description one key contributor to a superior outcome
- Further research is necessary to determine to which degree OSCE assessment forms can be utilised to identify where the chain of SA was broken down

