Author(s):

Question: In-situ simulation compared to another non-in-situ simulation modality for training interprofessional healthcare providers to improve perceptions, knowledge, skills, clinician behaviors, and patient care outcomes

Setting:

Bibliography:

			Certainty as	sessment			land	Outside	I
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Impact	Certainty	Importance

Safety event Mitigation

1 randomised trials not serious not seri

Participant Reactions and Preferences

Knowledge Improvement

1	randomised trials	not serious	not serious	not serious	not serious	none	97 Clinicians MCQ scores showed no significant difference	⊕⊕⊕ _{High}	NOT IMPORTANT
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Technical Skills as Applied to Clinical Care

1	randomised trials	not serious	not serious	not serious	not serious		57 clinicians Summary: 22.9-33% improvement P value range 0.049-0.012 Detail: 30% (2/6) metrics of intubation skill improved, with these focused on hands/on measures of performance. Percent scored as "excellent" in laryngoscope technique 27% vs 60%, p = 0.026 Percent scored as "excellent" in intubation technique 13.8 vs 42%, P = 0.012 41.4 vs 64.3 p = 0.049 were scored excellent in overall "competence" in favor of intervention. All numbers in favor of in-situ	⊕⊕⊕⊕ _{High}	CRITICAL
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Need For Remediation

1	randomised trials	not serious	not serious	not serious	not serious	none	57 Clinicians Less need for remediation in in-situ 40% vs 14.3% p = 0.04 $$	⊕⊕⊕⊕ _{High}	IMPORTANT
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Resource Impact

0				_	
U				-	

Cost Impact

0				-	

Adverse Emotional Impact

0				-	

			Certainty as	sessment				0.111	1
№ of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Impact	Certainty	Importance
0								-	

CI: confidence interval

Explanations

a. K1-K2 outcome levels in this group remain problematic

b. One study shows worse performnace for in-situ, but the design is severely confounded.