

Supplementary Material

Comparing Large Language Models (Bard, Bing, and ChatGPT) and Prompt Design for Healthcare Simulation Case Scenarios

Appendix 01

Simulation Scenario Evaluation Tool (SSET)

Element 1: Learning Objectives [] Not Applicable					
Item	[1]	[2]	[3]	[4]	[5]
1	None of the objectives pertain to the skill level and knowledge base of the target audience	Some objectives pertain to the skill level and knowledge base of the target audience		All objectives pertain to the skill level and knowledge base of the target audience	
2	None of the objectives are specific	Some objectives are specific		All objectives are specific	
3	None of the objectives are measurable	Some objectives are measurable		All objectives are measurable	
4	None of the objectives are action oriented	Some objectives are action oriented		All objectives are action oriented	
5	None of the objectives are relevant	Some objectives are relevant		All objectives are relevant	
6	None of the objectives are time specific	Some objectives are time specific		All objectives are time specific	
Item	[1]	[2]	[3]	[4]	[5]

7	Objectives do not include the types of knowledge and/or skills expected to be gained by completing the simulation exercise	Some objectives include the types of knowledge and/or skills expected to be gained by completing the simulation exercise	All Objectives specify the types of knowledge and/or skills expected to be gained by completing the simulation exercise
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Score for Element I: Learning Objectives.....

Element II : Clinical Context/ Scenario Overview [] Not Applicable					
Item	[1]	[2]	[3]	[4]	[5]
8	None of the elements of the Clinical Context pertain to the skill level and knowledge base of the target audience	Some elements of the Clinical Context pertain to the skill level and knowledge base of the target audience			All elements of the Clinical Context pertain to the skill level and knowledge base of the target audience
9	None of the elements of the Clinical Context support the learning objectives of the simulation - based experience	Some elements of the Clinical Context support the learning objectives of the simulation - based experience			All elements of the Clinical Context support the learning objectives of the simulation -based experience

Score for Element II: Clinical Context/Scenario Overview.....

Element III: Critical Actions [] Not Applicable					
Item	[1]	[2]	[3]	[4]	[5]
10	None are attainable in accordance with the skill level and knowledge base of the target audience	Some are attainable in accordance with the skill level and knowledge base of the target audience			All are attainable in accordance with the skill level and knowledge base of the target audience
11	None support the learning objectives	Some support the learning objectives			All support the learning objectives
12	None are directly observable	Some are directly observable			All are directly observable

Score for Element III: Critical Actions.....

Element IV: Patient States					<input type="checkbox"/> Not Applicable
Item	[1]	[2]	[3]	[4]	[5]
13	None are clinically appropriate for case progression	Some are clinically appropriate for case progression		All are clinically appropriate for case progression	
Item	[1]	[2]	[3]	[4]	[5]
14	Does not account for any or only one management pathway a learner may take.	Accounts for at least two management pathways a learner may take.		Accounts for at least three management pathways a learner may take.	
Item	[1]	[2]	[3]	[4]	[5]
15	None are effective for meeting the learning objectives	Some are effective for meeting the learning objectives		All are effective for meeting the learning objectives	
Item	[1]	[2]	[3]	[4]	[5]
16	None are effective for eliciting the outlined critical actions	Some are effective for eliciting the outlined critical actions		All are effective for eliciting the outlined critical actions	

Score for Element IV: Patient States.....

Element V: Scenario, Materials and Resources					<input type="checkbox"/> Not Applicable
Item	[1]	[2]	[3]	[4]	[5]
17	Does not provide a list of the necessary materials, equipment and human resources to support case facilitation.	Provides a list including some necessary materials, equipment and human resources to support case facilitation.		Provides a complete list of the necessary materials, equipment and human resources to support case facilitation.	
Item	[1]	[2]	[3]	[4]	[5]
18	Does not provide a list of the necessary patient historical data, audio visual stimuli and clinical	Provides a list including some necessary patient historical data, audio visual stimuli and clinical resources to support case facilitation.		Provides a complete list of necessary patient historical data, audio visual stimuli and clinical resources to support case facilitation.	

	resources to support case facilitation.		
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Score for Element V: Scenario, Materials and Resources.....

Element VI: Debriefing Plan					[] Not Applicable
Item	[1]	[2]	[3]	[4]	[5]
19	Does not present a debriefing plan	Presents a debriefing plan needing clarification			Presents a clear debriefing plan
Item	[1]	[2]	[3]	[4]	[5]
20	Does not provide supporting materials with references to aid with debrief	Provides some supporting materials and/or references to aid with debrief			Provides a complete list of supporting materials with references

Score for Element VI: Debriefing.....