Supplement 1. Pediatric Simulation Template

> I . This tool is a draft template developed through literature review for the development of pediatric nursing simulation scenarios. The template consists of a total of 9 parts. First, please review whether to maintain the relevant part, and then review the items and contents of the subsequent parts. Please provide your opinions by adding comments to each item for review.
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> Part 1. Initial elements
> Part 2. Objectives and Expected Outcomes
> Part 3. Preparation
> Part 4. Pre-briefing Plan
> Part 5. Case Information
> Part 6. Scenario Progression
> Part 7. Debriefing Planning
> Part 8. Evaluation Tools Development of scenario

I. This is a draft template for pediatric nursing simulation scenarios under study. It consists of a total of 9 parts.

Simulation Scenario Template for Child's Care (SST-CC)					
Part 1. Initial Elements					
Title					
Target learners	□ Students (grade 1, grade 2, grade 3, grade 4) □ Nurse (Registered Nurse, Nurse Practitioner, Nurse Educator) □ Others ( )				
Target skill acquisition	□ Novice □ Advanced beginner □ Competent □ Proficient □ Expert				
Approximate Timing	Pre-briefing		Running		Debriefing
Prerequisite competencies	Knowledge		Skill		Attitudes
Brief description of case					
Instructors					

Part 2. Objectives and Expected Outcomes		
Scenario Objectives		SMART TEST
		□ Specific □ Measurable □ Attainable □ Relevant □ Timely
Expected outcomes		□ Psychomotor □ Cognition □ Affection
Evaluation		□ Psychomotor □ Cognition □ Affection

Part 3. Preparation		
Environment and Setting	□ Pediatric and Adolescent Ward □ Pediatric Emergency Department □ Neonatal Intensive Care Unit, NICU □ Newborn baby Room, NR □ Pediatric Intensive Care Unit, PICU □ Others ( )	
Fidelity & Patient	□ No patient	□ Task trainers
	□ Standard patient	□ Low-fidelity simulator
	□ Virtual patient	□ High-fidelity simulator
Equipment required	Monitoring	Medication & Fluids
	□ ECG & Respiration leads □ Temperature probe □ NIBP cuff □ Pulse oximeter □ Others ( )	□ □ □ □ □
Embedded participants and Roles	□ Nurse □ Doctor □ Patient □ Guardian □ Others ( )	

Part 4. Pre-briefing Plan	
Briefing lists	□ Learning objectives □ Learner preparation(knowledge, skills, attitudes) □ Brief scenario □ Simulation room orientation: modality and equipment □ Method of evaluation □ Time allotment □ Roles □ Debriefing: purpose, methods, process
Psychologically safe learning environment	Giving permission for participants to make mistakes in the simulation Establishing rules for a safe environment Setting ground rules for open communication

Part 5. Case Information						
Name	Age	Gender	Weight	Height	Head Circumference	Others
Chief complaints & Concerns						
Present illness & medications						
Past health history & medications						
Allergies			Family history			
Attachment (Others)	Physical exam Dr's order Laboratory results Radiology results Progress note					

Part 6. Scenario Progression					
State	Time	Patient status	Learner Actions, Modifiers & Trigger to Move to Next state		Facilitator Notes
1. Initial State			**Expected Learner's Actions** □ □ □ □ □	**Modifiers** **Triggers**	
2. Secondary State			**Expected Learner's Actions** □ □ □ □ □	**Modifiers** **Triggers**	
3. Third State			**Expected Learner's Actions** □ □ □ □	**Modifiers** **Triggers**	
4. Final State			**Expected Learner's Actions** □ □ □ □	**Modifiers** **Triggers**	

Part 7. Debriefing Planning		
Types	□ Video Review □ Peer-Led □ Written □ Others	□ Individual (below 2 person) □ Small Group (3-8 person) □ Large Group (above 9 person)
Gather	What they think and how they feel about the simulation?	
Analyze	Providing feedback on performance, facilitating participant reflection and analyzing actions and performance gaps.	
Summarize	Identifying lessons learned.	
Self-reflection		
Discussion		
Phrampus, P. E., & O'Donnell, J. M. (2013). Debriefing using a structured and supported approach. In A. I. Levine, S. DeMaria, A.D. Schwartz, & A, J, Sim (Eds.), The comprehensive textbook of healthcare simulation (p. 73-84). New York, NY: Springer.		
Evaluating the debriefing–DASH or		

Part 8. Evaluation Tools	
Reaction	
Learning Outcomes	Pre-test :
	Post-test :
Behavior	Competency Checklist (by Observer or system)
Results	Debriefing

CHNR

Part 9. Development of scenario	
Content validity	
Reliability	
Evidence & reference	
Theoretical framework (Optional)	