



### **California Simulation Alliance (CSA) Simulation Scenario Template**

The California Simulation Alliance (CSA) is comprised of simulation users from all disciplines from throughout the state. Several regional collaboratives have formed totaling 7 as of March, 2011: The Rural North Area Simulation Collaborative (RNASC), the Capital Area Simulation Collaborative (CASC), the Bay Area Simulation Collaborative (BASC), the Central Valley Simulation Collaborative (CVSC), the Southern California Simulation Collaborative (SCSC), the Inland Empire Simulation Collaborative (IESC), and the San Diego Simulation Collaborative (SDSC). The CINHC, a non-profit organization focused on workforce development in healthcare provides leadership for the CSA.

The purpose of the California Simulation Alliance (CSA) is to be a cohesive voice for simulation in healthcare education in the state, to provide for inter-organizational research on simulation, to disseminate information to stakeholders, to create a common language for simulation, and to provide simulation educational courses. The goals of the alliance will include providing a home within the CINHC for best practice identification, information sharing, faculty development, equipment/vendor pricing agreements, scenario development, and sharing and partnership models. More information can be found on the CSA website at [www.californiasimulationalliance.org](http://www.californiasimulationalliance.org)

All scenarios have been validated by subject matter experts, pilot tested and approved by the CSA before they were published online. All scenarios are the property of the CINHC/CSA. The writers have agreed to release authorship and waive any and all of their individual intellectual property (I.P.) rights surrounding all scenarios. (Please contact KT for IP release forms and return signed I.P. release forms to KT at [kt@cinhc.org](mailto:kt@cinhc.org))

# TABLE OF CONTENTS

## SECTION I SCENARIO OVERVIEW

- A. Title
- B. Summary
- C. Evidence Base

## SECTION II CURRICULUM INTEGRATION

- A. Learning Objectives
  - 1. Primary
  - 2. Secondary
  - 3. Critical Elements
- B. Pre-scenario learner activities

## SECTION III SCENARIO SCRIPT

- A. Case Summary
- B. Key Contextual Details
- C. Scenario Cast
- D. Patient/Client Profile
- E. Baseline patient/client simulator state
- F. Environment / equipment / essential props
- G. Case flow /triggers / scenario development

## SECTION IV APPENDICES

- A. Health Care Provider Orders
- B. Digital Images of Manikin / Milieu
- C. Debriefing Guide

### SECTION I: SCENARIO OVERVIEW

<b>Scenario Title:</b>	
Original Scenario Developer(s):	
Date - original scenario	
Validation:	
Revision Dates:	
Pilot testing:	
<u>Estimated Scenario Time:</u>	<u>Debriefing time:</u>
<u>Target group:</u>	
<u>QSEN/IOM Competencies:</u>	
<u>Brief Summary of Case:</u>	

EVIDENCE BASE / REFERENCES (APA Format)

## SECTION II: CURRICULUM INTEGRATION

## A. SCENARIO LEARNING OBJECTIVES

Learning Outcomes	
1.	
2.	
3.	
Specific Learning Objectives	
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
Critical Learner Actions	
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	

## B. PRE-SCENARIO LEARNER ACTIVITIES

Prerequisite Competencies	
Knowledge	Skills/ Attitudes
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

### SECTION III: SCENARIO SCRIPT

#### A. Case summary

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#### B. Key contextual details

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#### C. Scenario Cast

Patient/ Client	<input type="checkbox"/> High fidelity simulator	
	<input type="checkbox"/> Mid-level simulator	
	<input type="checkbox"/> Task trainer	
	<input type="checkbox"/> Hybrid (Blended simulator)	
	<input type="checkbox"/> Standardized patient	
Role	Brief Descriptor (Optional)	Confederate/Actor (C/A) or Learner (L)

D. Patient/Client Profile				
Last name:			First name:	
Gender: Male	Age:	Ht:	Wt:	Code Status:
Spiritual Practice:		Ethnicity:		Primary Language spoken:
<b>1. Past history</b>				
<b>Primary Medical Diagnosis</b>				

2. Review of Systems	
CNS	
Cardiovascular	
Pulmonary	
Renal/Hepatic	
Gastrointestinal	
Endocrine	
Heme/Coag	
Musculoskeletal	
Integument	
Developmental Hx	
Psychiatric Hx	
Social Hx	
Alternative/ Complementary Medicine Hx	

Medication allergies:		Reaction:	
Food/other allergies:		Reaction:	

3. Current medications (from home or	Drug	Dose	Route	Frequency

4. Laboratory, Diagnostic Study Results					
Na:	K:	Cl:	HCO3:	BUN:	Cr:
Ca:	Mg:	Phos:	Glucose:	HgA1C:	
Hgb:	Hct:	Plt:	WBC:	ABO Blood Type:	
PT	PTT	INR	Troponin:	BNP:	
ABG-pH:	paO2:	paCO2:	HCO3/BE:	SaO2:	
VDRL:	GBS:	Herpes:	HIV:	Cxr:	EKG

CSA REV template (12/15/08; 5/09; 12/09; 4/11; 1/14, 12/14, 3/15)

**ALL DATA IN THIS SCENARIO IS FICTICIOUS**

<b>E. Baseline Simulator/Standardized Patient State</b> (This may vary from the baseline data provided to learners)
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<b>1. Initial physical appearance</b>			
Gender:	Attire:		
<u>Alterations in appearance (moulage):</u>			
	ID band present, accurate	ID band present, inaccurate	ID band absent or not applicable
	Allergy band present, accurate	Allergy band inaccurate	Allergy band absent or N/A

<b>2. Initial Vital Signs Monitor display in simulation action room:</b>			
No monitor display			Monitor on, standard display
BP:	HR:	RR:	T: <span style="float: right;">SpO<sub>2</sub></span>
CVP:	PAS:	PAD:	PCWP: <span style="float: right;">CO<sub>2</sub></span>
AIRWAY:	ETCO <sub>2</sub> :	FHR:	
Lung Sounds:	Left:	Right:	
Heart:	Sounds:	ECG rhythm:	
Bowel sounds:		Other:	

<b>3. Initial Intravenous line set up</b>			
<b>Saline lock #1</b>	Site:		IV patent (Y/N)
<b>IV #1</b>	Site:	CVC	Fluid type: Initial rate: IV patent (Y/N)
Main			
Piggyback			
<b>IV #2</b>	Site:		Fluid type: Initial rate: IV patent (Y/N)
Main			
Piggyback			

<b>4. Initial Non-invasive monitors set up</b>			
NIBP		ECG First lead:	ECG Second lead:
Pulse oximeter		Temp monitor/type	Other:

<b>5. Initial Hemodynamic monitors set up</b>			
A-line Site:		Catheter/tubing Patency (Y/N)	CVC Site: PAC Site:

<b>6. Other monitors/devices</b>			
Foley catheter	Amount:	Appearance of urine:	
Epidural catheter		Infusion pump:	Pump settings:
Fetal Heart rate monitor/tocometer		Internal	External

### Environment, Equipment, Essential props

Recommend standardized set ups for each commonly simulated environment

#### 1. Scenario setting: (example: patient room, home, ED, lobby)

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#### 2. Equipment, supplies, monitors

(In simulation action room or available in adjacent core storage rooms)

Bedpan/ Urinal	Foley catheter kit	Straight cath. kit	Incentive spirometer
IV Infusion pump	Feeding pump	Pressure bag	Wall suction
Nasogastric tube	ETT suction catheters	Oral suction catheters	Chest tube kit
Defibrillator	Code Cart	12-lead ECG	Chest tube equip
PCA infusion pump	Epidural pump	Central line Kit	Dressing Δ equip
IV fluid Type:	IV fluid additives:	Blood products: _____	ABO Type: _____ # of units: _____

Nasal cannula	Face tent	Simple Face Mask	Non-rebreather mask
BVM/Ambu bag	Nebulizer tx kit	Flowmeters (extra supply)	

#### 4. Documentation and Order Forms

Provider orders	Med Admin Record	Hx & Physical	Lab Results
Progress Notes	Graphic record	Anes/PACU record	ED Record
Med Reconciliatn	Transfer orders	Standing orders	ICU flow sheet
Nurses' Notes	Dx test reports	Code Record	Prenatal record
Actual medical record binder		Electronic Medical Record	

#### 5. Medications (to be available in sim action room)

#	Medication	Dosage	Route		#	Medication	Dosage	Route





STATE / PATIENT STATUS	DESIRED ACTIONS & TRIGGERS TO MOVE TO NEXT STATE		
2.	<b>Operator:</b>          <b>Triggers:</b>	<b>Learner Actions:</b>	<b>Debriefing Points:</b>



STATE / PATIENT STATUS	DESIRED ACTIONS & TRIGGERS TO MOVE TO NEXT STATE		
4.	<b>Operator:</b>  <b>Triggers:</b>	<b>Learner Actions:</b>	<b>Debriefing Points</b>
Scenario End Point:			
Suggestions to <u>decrease</u> complexity: Suggestions to <u>increase</u> complexity:			



<b>APPENDIX B: Digital images of manikin and/or scenario milieu</b>	
<b>Insert digital photo here</b>	<b>Insert digital photo here</b>
<b>Insert digital photo here</b>	<b>Insert digital photo here</b>

**APPENDIX C: DEBRIEFING GUIDE**

<b>General Debriefing Plan</b>			
<input type="checkbox"/> Individual	<input type="checkbox"/> Group	<input type="checkbox"/> With Video	<input type="checkbox"/> Without Video
<b>Debriefing Materials</b>			
<input type="checkbox"/> Debriefing Guide	<input type="checkbox"/> Objectives	<input type="checkbox"/> Debriefing Points	<input type="checkbox"/> QSEN
<b>QSEN Competencies to consider for debriefing scenarios</b>			
<input type="checkbox"/> Patient Centered Care	<input type="checkbox"/> Teamwork/Collaboration	<input type="checkbox"/> Evidence-based Practice	
<input type="checkbox"/> Safety	<input type="checkbox"/> Quality Improvement	<input type="checkbox"/> Informatics	
<b>Sample Questions for Debriefing</b>			
<ol style="list-style-type: none"> <li>1. How did the experience of caring for this patient feel for you and the team?</li> <li>2. Did you have the knowledge and skills to meet the learning objectives of the scenario?</li> <li>3. What GAPS did you identify in your own knowledge base and/or preparation for the simulation experience?</li> <li>4. What RELEVANT information was missing from the scenario that impacted your performance? How did you attempt to fill in the GAP?</li> <li>5. How would you handle the scenario differently if you could?</li> <li>6. In what ways did you check feel the need to check ACCURACY of the data you were given?</li> <li>7. In what ways did you perform well?</li> <li>8. What communication strategies did you use to validate ACCURACY of your information or decisions with your team members?</li> <li>9. What three factors were most SIGNIFICANT that you will transfer to the clinical setting?</li> <li>10. At what points in the scenario were your nursing actions specifically directed toward PREVENTION of a negative outcome?</li> <li>11. Discuss actual experiences with diverse patient populations.</li> <li>12. Discuss roles and responsibilities during a crisis.</li> <li>13. Discuss how current nursing practice continues to evolve in light of new evidence.</li> <li>14. Consider potential safety risks and how to avoid them.</li> <li>15. Discuss the nurses' role in design, implementation, and evaluation of information technologies to support patient care.</li> </ol>			
<b>Notes for future sessions:</b>			