Firelands Regional Medical Center

School of Nursing

Student Developed Simulation Scenarios

Directions: Students will be required to develop a scenario on a chosen topic related to the Maternal Child Nursing content taught throughout the semester. Faculty will be implementing the student developed scenarios on the day of the scheduled simulation. Students will be expected to perform a scenario in the simulation center that was developed by one of their classmates on the day of the simulation. Students will sign up to be in a group of 3-4 to develop a simulation scenario on the assigned topics. Please only include skills in the scenario that students have been taught in the curriculum already.

The scenario should be should be roughly 15 minutes in length. Students should use the attached storyboard and patient chart to develop their scenario. The group will need to submit the completed storyboard by **October 28, 2024 by start of class** via the Student Developed Scenarios dropbox. You are required to wear your student uniform the day of the simulation. A group meeting with your assigned faculty will be at the beginning of the semester on **September 9, 2024**. A mid-semester checkpoint will be at week 7 (**October 7, 2024**) of the course. The first page of the document will be required to be turned in at the beginning of class. Faculty will review your submission and will contact you. You should not proceed with completing the remainder of the document until contacted by your assigned faculty.

Students will vote on the best Student Developed Scenario and the chosen team will receive a prize.

During the debriefing process students will be expected to provide constructive feedback to their fellow students. Please be kind and considerate. Remember this is constructive feedback and not criticism. All students are expected to actively participate in the group debriefing.

The activity requirements and grading rubric are below. To be satisfactory for this experience you will need to score at least 77%. For any student not attending the day of simulation, credit will not be granted for the simulation time and will follow the Student Accountability Flow Sheet. This experience is worth 4 hours of simulation. Remember any missed simulation time needs to be made up hour for hour.

	Student Developed Simulation Scenario Rubric	**Points**	**Total**
1	In your group, develop a simulation scenario related to the assigned topic.	8	
2	Develop 2 questions to ask in debriefing related to your developed scenario. Questions should be specific and not simply what did you do well and how could you improve.	8	
3	Develop 2 questions NCLEX style questions with rationale related to the content in your developed scenario.	8	
4	Be creative and highlight the essential information to know about the assigned topic on the storyboard.	8	
5	Incorporate the core values of caring, diversity, excellence, integrity, and "ACE"- attitude, commitment, and enthusiasm throughout the group process.	8	
6	Complete initial meeting with assigned faculty on **September 9, 2024**.	12	
7	Mid-semester checkpoint with faculty on **October 7, 2024**. (Page 1 document to dropbox by 0800. Meet with assigned faculty after class.)	12	
8	Completed Storyboard submitted to the Student Develop Simulation Scenarios Dropbox on Edvance360 by **October 28, 2024 at start of class.**	13	
9	Actively participates throughout the entire process (Development/day of simulation) including being present on the day of the Student Developed Scenarios **November 19, 2024**.	23	

Total	100	

Student Developed Simulation Scenario Storyboard EXAMPLE	

Identified Problem/Scenario Topic and Related Resources:
 	
Post-Operative Respiratory Depression
 	
Textbook Chapter 13
	Desired Overall Goal:
	  1. Recognize Respiratory Depression
	
	  2. Correctly identify cause
	
	  3. Intervene appropriately
	
	  4. Effective ventilation returns

Case Summary:
 	
68 year old female patient just transferred from PACU to medical-surgical unit in stable condition following a right total knee replacement. She begins to have decreased LOC, falling respiratory rate and depth, decreased O2 sats.
 	
Supplies:
  1. **SimMan**
  2. **Nasal canula**
  3. **O2 mask**
  4. **Morphine 5mg/1mL injection**
  5. **Narcan 10mg/5mL injection (x2)**
  6. **NS @ 125 IV**
  7. **IV pump**
	Expected Interventions of Students:
	  1. Receives bedside report
	
	  2. Begins post-operative assessment
	
	  3. Connects equipment
	
	  4. Notices decreased O2 sats, decreased RR & depth, decreased LOC
	  5. Changes nasal cannula to mask
	
	  6. Increases O2 liter flow & reassesses
	
	  7. Calls for help (Rapid Response Team)
	
	  8. SBAR communication
	
	  9. Administers Narcan & reassesses
	
	  10. Communicates effectively with family throughout

NCLEX Questions
 	
  1.
       a.
       b.
       c.
       d.
 	
  Answer:
 	
  2.
       a.
       b.
       c.
       d.
  Answer:	

Case Flow (15-20 Minute Simulation Time) EXAMPLE

Initiation of Scenario:

Case Study:
Patient in bed-hand off received.
Patient in stable condition with reported pain level 2/10 after general anesthesia
Patient received 3 doses of IV Morphine

Vital Signs	T	98.0	HR	88	RR	16	BP	140/82	SPo2	98% on 2L	Pain	2/10	BS	NA

Cardiac	WNL
Respiratory	Clear lung sounds
Neuro	WNL
Skin	WNL
GI	WNL
GU	WNL
Other	Right knee surgical site surgical site dressing D&I,

First Frame:

Case Study:
Nurse introduces self and begins assessment.
Patient is responsive at first.
Vital signs begin to change with decreased O2 sats, decreased RR & depth, decreased LOC

Vital Signs	T	98.0	HR	58	RR	10	BP	100/54	SpO2	88% on 2L	Pain		BS	

Cardiac	Heart rate regular and starts to become bradycardic
Respiratory	Respirations slow, shallow, and regular, Lung sounds clear
Neuro	Pt becomes unresponsive as assessment continues
Skin	Pale, warm, and dry
GI	WNL
GU	WNL
Other	NA

Second Frame

Case Study:
Change O2 from NC to mask
Reassess-no change
Primary nurse calls for help (RRT)

Gives SBAR to RRT

Vital Signs	T	98.0	HR	58	RR	10	BP	100/54	SpO2	94% on 6L per mask	Pain	NA	BS	80

Cardiac	Heart rate regular, bradycardic
Respiratory	Respirations slow, shallow, and regular, Lung sounds clear
Neuro	Pt unresponsive
Skin	Pale, warm, and dry
GI	WNL
GU	WNL
Other	NA

Third Frame															

Case Study:
RRT responds with Narcan
Checks order
Identifies and assesses patient
Administers per order, titrating dose
Reassesses

Vital Signs	T	98.0	HR	76	RR	16	BP	122/62	SpO2	98% on 6L per mask	Pain	NA	BS	80
Cardiac	WNL													
Respiratory	Respirations regular rate and depth, Lung sounds clear													
Neuro	Pt becomes A/O x 3 as medication starts to work													
Skin	Pink, warm, and dry													
GI	WNL													
GU	WNL													
Other	NA													

Scenario End Point															

Case Study:
Patient responds to Narcan
Nurses communicate with patient and family

Vital Signs	T	98.0	HR	76	RR	16	BP	122/62		98% on 6L per mask	Pain	5/10	BS	80
Cardiac	WNL													
Respiratory	Respirations regular rate and depth, Lung sounds clear,													
Neuro	A/O x 3													
Skin	Pink, warm, and dry													
GI	WNL													
GU	WNL													
Other	NA													

Debriefing Questions:

1. **What did you notice regarding the patient's respiratory assessment?**

2. **What interventions did you perform related to concerns you noticed in the patient's assessment?**

Student Developed Simulation Scenario Storyboard	
Identified Problem/Scenario Topic and Related Resources:	**Desired Overall Goal:** 1. 2. 3. 4.
Case Summary:	**Expected Interventions of Students: <u>(Minimum of 5 required.)</u>** 1. 2. 3. 4. 5.

Supplies:
  1.
  2.
  3.
  4.
  5.
  6.
  7.
  8.
  9.
  10.
	6.
	
	7.
	
	8.
	
	9.
	
	10.

NCLEX Questions

  1.
      a.
      b.
      c.
      d.

  Answer:

  2.
      a.
      b.
      c.
      d.
  Answer:

Case Flow (15-20 Minute Simulation Time)

Initiation of Scenario:

Case Study:

Vital Signs	T	HR	RR	BP	SpO2	Pain	BS
Cardiac							
Respiratory							
Neuro							
Skin							
GI							
GU							
Other							

First Frame:

Case Study:

Vital Signs	T	HR	RR	BP	SpO2	Pain	BS
Cardiac							
Respiratory							
Neuro							
Skin							
GI							
GU							
Other							

Second Frame

Case Study:

Vital Signs	T	HR	RR	BP	SpO2	Pain	BS
Cardiac							
Respiratory							
Neuro							
Skin							
GI							
GU							
Other							

Third Frame

Case Study:

Vital Signs	T	HR	RR	BP	SpO2	Pain	BS
Cardiac							
Respiratory							
Neuro							
Skin							
GI							
GU							
Other							

Scenario End Point													

Case Study:

Vital Signs	T		HR		RR		BP		SpO2		Pain		BS	
Cardiac														
Respiratory														
Neuro														
Skin														
GI														
GU														
Other														

Debriefing Questions:

1.

2.

Patient Report:

Additional information, Medical History:

Patient data:

DOB:

MR#:

Prior medical history:

Allergies:

Social history:

Firelands Regional Medical Center
Sandusky, Ohio
Physician's Orders

NAME: _____	STATUS: SIGNED
DATE ORD: XX/XX/XX	ROOM: _____
ORD PHYS: _____	MR# _____
ATTENDING: _____	DOB: _____
AGE:___years old	DATE: XX/XX/XX

Date/Time	
XX/XX/XX	Admit to _____
	Diagnosis: _____
	VS every _____
	Activity:_____
	Diet:_____
	I&O
	IV:_____
	Medications:_____
	Other:_____
	Dr. _____

√	Start	Medication	Dose	Next Sched ↓	History	Assoc
	Stop		Route	Ack	Monograph	Asmnt
	Current Status		Frequency	Adjustment	Co-sign	Ref Err
	xx/xx/xxxx					

xx/xx/xxxx					
Active					
xx/xx/xxxx					
xx/xx/xxxx					
Active					
xx/xx/xxxx					
xx/xx/xxxx					
Active					
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Active					

☐ ☐ Label Comments

xx/xx/xxxx					
xx/xx/xxxx					
Active					

☐ ☐ Label Comments

Administer	Admin Comments	Non-Admin Reasons	Acknowledge	Undo	Admin Schedule	View Order	+/- Admin Instructions	Additional Functions	Display Options	

Administer	Admin Comments	Non-Admin Reasons	Acknowledge	Undo	Admin Schedule	View Order	+/- Admin Instructions	Additional Functions	Display Options	

Firelands Regional Medical Center
Sandusky, Ohio
LABORATORY

HGB/HCT	XX/XX/XX Admission	Reference Range
HGB		
HCT		

CMP	XX/XX/XX Admission	Reference Range
Na		
CL		
K		
BUN		
Creatinine		
Blood Glucose		
Blood pH		

URINALYSIS	XX/XX/XX Admission	Reference Range
pH		
Specific Gravity		
Glucose		
Protein		
Blood		
Ketones		
Nitrite		
Leukocyte esterase		
Clarity		
Color		

Firelands Regional Medical Center
Sandusky, Ohio
IMAGING DEPARTMENT

NAME: _____	STATUS: SIGNED
DATE ORD: XX/XX/XX	ROOM: _____
ORD PHYS: _____	MR# _____
ATTENDING: _____	DOB: _____
AGE:___years old	DATE: XX/XX/XX

CLINICAL DATA/Reason for Test:

X-ray:

IMPRESSION: