

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 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 27, 2025 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 to discuss how to write the scenario will be with your assigned faculty at the beginning of the semester on **September 8, 2025**. The first page of the Student Developed Scenario document will be due at the beginning of class in the Student Developed Scenarios Dropbox on **October 6, 2025**. The faculty will review the first page of the document and then contact you for a mid-semester checkpoint to discuss the progress of the scenario and answer any questions the group may have for the simulation. You should not proceed with completing the remainder of the document until contacted by your assigned faculty and given approval to continue onto the next step. Each group will be required to attend a facilitator meeting on **November 10, 2025** with either Kelly or Monica. This meeting will be to discuss the expectations and execution of your scenarios for the day of simulation. See the schedule for the time assigned to your group for both required meetings.

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.	7	
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.	7	
3	Develop 2 questions NCLEX style questions with rationale related to the content in your developed scenario.	7	
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 8, 2025 .	10	
7	Page 1 of the document to Dropbox by 0800 on October 6, 2025 and have mid-semester checkpoint with	10	

	faculty.		
8	Completed Storyboard submitted to the Student Develop Simulation Scenarios Dropbox on Edvance360 by October 27, 2025 at start of class.	10	
9	Complete facilitator meeting on November 10, 2025.	10	
10	Actively participates throughout the entire process (Development/day of simulation) including being present on the day of the Student Developed Scenarios November 18, 2025.	23	
	Total	100	

Schedule for Meetings on September 8, 2025

Time	Group	Faculty
1215-1245	Gestational Diabetes	Monica
	Pneumonia	Rachel
	Traumatic Brain Injury	Brian
	Newborn Hyperbilirubinemia	Kelly
1245-1315	Preeclampsia	Monica
	Sickle Cell Anemia	Brian
	Newborn Hypoglycemia	Kelly
	Communicable Disease	Rachel
1315-1345	Uncomplicated Delivery	Monica
	Glomerulonephritis	Brian

Schedule for Meetings on November 10, 2025

Time	Group	Faculty
1245-1300	Gestational Diabetes	Monica
	Pneumonia	Kelly
1300-1315	Preeclampsia	Monica
	Traumatic Brain Injury	Kelly
1315-1330	Uncomplicated Delivery	Monica
	Sickle Cell Anemia	Kelly
1330-1345	Newborn Hyperbilirubinemia	Monica
	Glomerulonephritis	Kelly
1345-1400	Newborn Hypoglycemia	Monica
	Communicable Disease	Kelly

Student Developed Scenario Schedule
November 18, 2025 0900-1500

Time	Group
0900-0910	Orientation to day
0910-0925	Gestational Diabetes
0925-0940	Pneumonia
0940-1000	Debriefing/Feedback
1000-1015	Preeclampsia
1015-1030	Traumatic Brain Injury
1030-1050	Debrief/Feedback
1050-1130	BREAK
1130-1145	Uncomplicated Delivery
1145-1200	Sickle Cell Anemia
1200-1215	Debrief/Feedback
1215-1230	Newborn Hyperbilirubinemia
1230-1245	Glomerulonephritis
1245-1300	Debrief/Feedback
1300-1320	BREAK
1320-1335	Newborn Hypoglycemia
1335-1350	Communicable Disease
1350-1405	Debrief/Feedback
1405-1500	NCLEX Questions, Scavenger Hunt, Comprehensive Sim Orientation, SDS Winners

Student Developed Simulation Scenario Storyboard

<p>Identified Problem/Scenario Topic and Related Resources:</p> <p>Scenario Topic: Maternal Hyperglycemia Resources: Safe Maternity and Pediatric Care text book</p>	<p>Scenario Key Points:</p> <ul style="list-style-type: none"> • Recognize signs of hyperglycemia • Recognize signs of hypoglycemia • Administer correct dose of insulin • Provide the proper education
<p>Case Summary: Snacky Chan admitted to the Firelands OB Unit. She is 28 weeks pregnant G1 P0. She was diagnosed with gestational diabetes at 24 weeks. She has had a weight gain of 40lbs. She has a BMI of 30. She is having complaints of increased thirst, increased urination, and increased hunger. She states she has eaten 3 donuts today as well as a large plate spaghetti for lunch.</p> <p>Students will be expected to introduce self, preform hand hygiene, identify patient, and preform initial set of vital signs and blood glucose level. They will attach the external fetal monitor and assess the baby’s wellbeing. (the baby is fine) They will then administer the insulin per protocol to manage hyperglycemia.</p> <p>Next the students will re check the blood sugar levels after 15 minutes. The blood sugar drops: the students recognize the signs of hypoglycemia. They then provide the 4 oz of orange juice and re-check the blood sugar after 15 minutes.</p> <p>Once the blood sugar the blood sugar is stable they will educate on diet control and exercises as well as attending follow up appointments.</p>	<p>Expected Interventions of Students: (Minimum of 5 required.)</p> <ul style="list-style-type: none"> • Assess vital signs • Place external fetal monitor on mom • Initial glucose check • Administer insulin • Re-check blood sugar • Give 4 oz of orange juice • Re-check blood sugar • Educate on diet and exercise • Educate on going to follow up appointments
<p>Supplies:</p> <ul style="list-style-type: none"> • Glucometer • Orange juice • Vital sign equipment • Education papers- my plate • Insulin Lispro Pen injector • Sliding scale chart 	
<p>Medications: (Include drug name, dosage, route, and concentration for scenario)</p> <ul style="list-style-type: none"> • Insulin Lispro sub-q pen injector, units per sliding scale. • Orange Juice to bring up blood sugar, PO, 4oz 	<p>Support Person: (Only complete if you want a support person)</p> <p>Who is the person to the patient?</p> <p>Questions/Responses for Support Person:</p>

NCLEX Questions

1. Which of the following symptoms is associated with hyperglycemia in a client with gestational diabetes.
 - a. Polydipsia
 - b. Decreased thirst.
 - c. Blood pressure 200/120.
 - d. Blood sugar of 60.

Answer: A

Rationale: page 126 (Signs and Symptoms) of the safe maternity and pediatric nursing care textbook. Polydipsia is one of the 3 p's for hyperglycemia.

2. The nurse recognizes the need for further education in a client with gestational diabetes when she makes which of the following statements.
 - a. I will engage in 30 minutes of exercise daily.
 - b. I will keep a daily log of blood sugar levels and my diet.
 - c. I will monitor my baby's well-being by monitoring their kick counts.
 - d. I can skip meals after I take my insulin.

Answer: D

Rationale: page 128 (patient teaching) of the safe maternity and pediatric nursing care textbook. This is not an appropriate action for a patient with diabetes.

Debriefing Questions:

1. Do you feel the teaching was effective?
2. What signs made you suspect that the gestational diabetes was uncontrolled?

Case Flow (15-20 Minute Simulation Time)

Initiation of Scenario:														
Patient statements: " I just feel so hungry all the time, and I keep drinking water because I feel so thirsty."														
Vital Signs	T	98.2	HR	105	RR	18	BP	115/80	SpO2	100	Pain	0	BS	350
Cardiac	Within normal limits s1/s2 heard on auscultation													
Respiratory	Lung sounds clear, chest rise even, unlabored breathing													
Neuro	Alert and orientated x4 PERRLA													
Skin	Pink warm dry													
GI	Bowel sounds active x4 last BM this morning													
GU	Normal intact													
Other	n/a													
Patient changes during scenario:														
Patient statements: " I feel like somethings wrong, I feel shaky and sweaty."														
Vital Signs	T	98.2	HR	110	RR	22	BP	125/80	SpO2	98	Pain	0	BS	45
Cardiac	Slightly elevated HR													
Respiratory	Slightly elevated RR													
Neuro	Patient is shaky upon assessment A/O x4													
Skin	Clammy, cool, and pale													
GI	Bowel sounds active x 4													
GU	Normal intact													
Other	n/a													
New Patient Orders	Give quick acting carbohydrates per hospital protocol most likely a standing order for all patients.													
End of Scenario:														
Patient statements: "I feel much better now."														
Vital Signs	T	98.5	HR	90	RR	18	BP	120/80	SpO2	100	Pain	0	BS	80
Cardiac	S1 and s2 heard on auscultation													
Respiratory	Lung sounds clear, chest rise even, unlabored breathing													
Neuro	Alert and orientated x 4													
Skin	Pink warm and dry													
GI	Bowel sounds active x4													
GU	Normal intact													
Other	N/A													

All areas should be addressed with pertinent information. Do not leave any blanks. All underlined areas on supporting documents should be addressed. You can place NAs in any area that does not apply to your scenario.

Patient Report:

Snacky Chan 31-year-old female admitted to the Firelands OB Unit. She is 28 weeks pregnant G1 P0. She has a history of GERD, anxiety, and depression She was diagnosed with gestational diabetes at 24 weeks. She has had a weight gain of 40lbs. She has a BMI of 30. She is having complaints of increased thirst, increased urination, and increased hunger. She states she has eaten 3 donuts today as well as a large plate spaghetti for lunch. She reports not noncompliance with her recommended diet for her diabetes. The patient states “food is bland and boring.” She performs little to no exercise Her last vitals include a temperature of 98.5, blood pressure 133/85, spo2 100%, pulse 100, RR 18.

Additional information, Medical History:

Patient data:

DOB: 1/10/1995

MR#: 00067

Prior medical history:

Allergies: NKA

Social history: patient reports eating out at least once a day with her “baby daddy”

Firelands Regional Medical Center
Sandusky, Ohio
Physician's Orders

NAME: ___snacky chan_____ STATUS: SIGNED DATE ORD: XX/XX/XX ROOM:201 _____ ORD PHYS: ___Dr. Dunbar _____ MR#00067 _____ ATTENDING: _Dr.Ammanniti_____ DOB:1/10/195 _____ AGE : _31_ years old DATE: XX/XX/XX

Date/Time	
XX/XX/XX	Admit to ___OB floor _____
	Diagnosis: ___gestational diabetes _____
	VS every _Q4hr _____
	Activity:___AD LIB_____
	Diet:___Carb consistant _____
	I&O N/A
	IV:___N/A_____
	Medications:___Insulin lispro _____
	Other: _ Follow hypoglycemia protocol. Provide education on my plate and carb consistent diet, regular exercise, and support groups for anxiety and depression.
	Dr. _____

NAME	DOB: 1/10/95_____	Age: _____
Allergies: <u>_NKA_</u>	Medication Administration Record – Current	
Attending: _____	Medications	
<u>_Dr.Ammanniti_</u>	Account #: <u>_00067_</u>	Unit: <u>_OB_</u> Room #: _____
_____	<u>_201_</u>	ADM IN
Wt: <u>_84.5_</u> kg;		
Ht: <u>66_</u> in		
BSA: <u>_1.98m2_</u>		
BMI: <u>_30_</u>		

Start	Medication	Time	TODAY
Stop			XX/XX/XXXX

XX/XX/XXXX	Name Route How Often	<u>_PRN_</u>	
XX/XX/XXXX	Trade: <u>_Humalog_</u>		
Active Acknowledged	Administer: <u>_per sliding scale._</u>		
	Instructions: <u>_administer subcutaneously_</u>		

XX/XX/XXXX	Name Route How Often	<u>_____</u>	
XX/XX/XXXX	Trade: <u>_N/A_</u>		
Active Acknowledged	Administer: <u>_N/A_</u>		
	Instructions: <u>_N/A_</u>		

XX/XX/XXXX	Name Route How Often	<u>_____</u>	
XX/XX/XXXX	Trade: <u>_N/A_</u>		
Active Acknowledged	Administer: <u>_N/A_</u>		
	Instructions: <u>_N/A_</u>		

XX/XX/XXXX	Name Route How Often	<u>_____</u>	
XX/XX/XXXX	Trade: <u>_N/A_</u>		
Active Acknowledged	Administer: <u>_N/A_</u>		
	Instructions: <u>_N/A_</u>		

XX/XX/XXXX	Name Route How Often	<u>_____</u>	
XX/XX/XXXX	Trade: <u>_N/A_</u>		
Active Acknowledged	Administer: <u>_N/A_</u>		
	Instructions: <u>_N/A_</u>		

Firelands Regional Medical Center
Sandusky, Ohio
LABORATORY

NAME: ___ Snacky Chan _____	
STATUS: SIGNED	
DATE ORD: XX/XX/XX	ROOM: __201
ORD PHYS: _Dr.Dunbar _____	
MR# 00067	
ATTENDING: _____Dr.Ammanniti__	
DOB: __/10/95_____	
AGE: _31_ years old	
DATE: XX/XX/XX	

HGB/HCT	XX/XX/XX Admission	Reference Range
HGB	N/A	
HCT	N/A	

CMP	XX/XX/XX Admission	Reference Range
Na	140	138-142
CL	100	97-107
K	4	3.5-5
BUN	10	7-18
Creatinine	1	0.5-1.2
Blood Glucose	350	70-100
Blood pH	7.4	7.35-7.45

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

Firelands Regional Medical Center
Sandusky, Ohio
IMAGING DEPARTMENT

NAME: _____Snacky Chan_____

STATUS: SIGNED

DATE ORD: XX/XX/XX

ROOM: _201_____

ORD PHYS: _Dr.Dunbar _____

MR# _00067_____

ATTENDING: __ Dr.Ammanniti __

DOB: _1/10/95_____

AGE: _31_ years old

DATE: XX/XX/XX

CLINICAL DATA/Reason for Test:

X-ray: N/A

IMPRESSION: N/A