Ashley, Katelyn, Allison, Kenny

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Firelands Regional Medical Center

School of Nursing

Student Developed Simulation Scenarios

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Directions: Students will be expected asked 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 4 to develop a simulation scenario on the assigned topics. Please only include skills in the scenario students have been taught in the curriculum already.

The scenario should be should be roughly 15 minutes in lengths. Students should use the attached storyboard and patient chart to develop their scenario and will need to submit the completed storyboard by **October 30, 2023 by start of class** via the Student Developed Scenarios dropbox. You are required to wear your student uniform the day of the simulation. A mid-semester checkpoint will be at week 7 (**October 9, 2023**) of the course. The first page of the document will be required to be turned in at the beginning of class so the faculty of your scenario can review the document.

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.	10	
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.	10	
3	Develop 2 questions NCLEX style questions with rationale related to the content in your developed scenario.	10	
4	Be creative and highlight the essential information to know about the assigned topic on the storyboard.	10	
5	Incorporate the core values of caring, diversity, excellence, integrity, and "ACE"- attitude, commitment, and enthusiasm throughout the group process.	10	
6	Mid-semester checkpoint with faculty on **October 9, 2023**. (Page 1 document to dropbox by 0800. Meet with assigned faculty after class.)	10	
7	Completed Storyboard submitted to the Student Develop Simulation Scenarios Dropbox on Edvance360 by **October 30, 2023 at start of class.**	17	
8	Actively participates throughout the entire process (Development/day of simulation).	23	
	Total	100	

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Student Developed Simulation Scenario Storyboard	
Identified Problem/Scenario Topic and Related Resources: Gestational Diabetes Chapter 8 textbook Pages 136-138	**Desired Overall Goal:** 1. **Recognize inappropriate glucose regulation and s/s of diabetes** 2. **Communicate effectively with SBAR to provider** 3. **Implement orders from the doctor** 4. **Effective education of glucose control with medication and non-pharmacological measures.**
Case Summary: **A 34-year-old G3P2 obese woman with a history of gestational diabetes with her last pregnancy presents to the clinic for a follow-up from a positive glucose tolerance test with a blood sugar level of 152 mg/dL. She was able to control her GD with diet alone with past pregnancy but reports high sugar levels, increased urination, thirst, and hunger during this pregnancy.** **Supplies:** 1. **Alcohol swabs** 2. **Insulin pen** 3. **Sub-q needles** 4. **Sim-woman** 5. **Glucometer** 6. **Lancets**	**Expected Interventions of Students: (Minimum of 5 required.)** 1. **Identify the patient, verify allergies, and listen to the concerns of the patient.** 2. **Take VS and a sugar level with the glucometer** 3. **Call the provider and discuss glucose reading, symptoms, and take orders over the phone** 4. **Address any questions the patient has** 5. **Teach the patient how to administer insulin** 6. **Reinforce importance of maintaining diet and exercising 30 minutes most days of the week** 7. **Instruct them to keep a log of glucose numbers**

NCLEX Questions

1. **A 34-year-old female is currently 28 weeks pregnant. You're collecting the patient's health history. She has the following health history: gravida 3, para 2, BMI 32, hypertension, depression, and family history of Type 2 diabetes. Select below all the risk factors in this scenario that increases this patient's risk for developing gestational diabetes?**
    A. 34-years-old
    B. 28 weeks pregnant
    C. BMI 32
    D. Hypertension
    E. Depression
    F. Family history of Type 2 diabetes

Answer: A, C, F

2. **When do most patients tend to develop gestational diabetes during pregnancy?**
    A. usually during the 1-3 month of pregnancy
    B. usually during the 2-3 month of pregnancy
    C. usually during the 1-2 trimester of pregnancy
    D. usually during the 2-3 trimester of pregnancy

Answer: D

Case Flow (15-20 Minute Simulation Time)

Initiation of Scenario:

Case Study: Patient on bed- Handoff received
Patient in stable condition with report of increase thirst and increased urination and feels fatigued

Vital Signs	T	98.3	HR	85	RR	19	BP	124/81	SpO2	99%	Pain	1/10	BS	-
Cardiac	WNL													
Respiratory	CLEAR													
Neuro	WNL													
Skin	WNL													
GI	WNL													
GU	WNL													
Other	28 WEEKS GESTATION													

First Frame: When FSBS is taken

Case Study:Nurse introduces self and begins assessment
Nurse takes VS and Blood Sugar
Patient reports some signs of Gestational Diabetes (fatigue, increased respiration, increased thirst, increased urination)

Vital Signs	T	98.5	HR	84	RR	18	BP	124/80	SpO2	98	Pain	1/10	BS	176
Cardiac	WNL													
Respiratory	Clear lungs sounds (ketone sweet breath noticed)													
Neuro	Patient has slight blurred vision													
Skin	Cool													
GI	WNL													
GU	WNL													
Other	NA													

Second Frame

Case Study:Nurse calls Lab about Glucose Tolerance Test
Lab gives Results of GTT positive for gestational diabetes at 2 hour test
Nurse calls provider
Provider gives instructions for insulin protocol using sliding Blood sugar scale

Vital Signs	T	98.5	HR	95	RR	20	BP	120/78	SpO2	96	Pain	1/10	BS	180
Cardiac	WNL													
Respiratory	INCREASED													
Neuro	PT LIGHT HEAED													
Skin	PALE													
GI	WNL													
GU	WNL													
Other	NA													

Third Frame

Case Study: Nurse educaes patient on Insulin protocol
Nurse educates Patient on Insulin safety
Nurse demonstrates how to administer insulin injections
Patient injects insulin

Vital Signs	T	98.5	HR	90	RR	20	BP	120/78	SpO2	96	Pain	1/10	BS	165
Cardiac	WNL													
Respiratory	WNL													

Neuro	IMPROVED
Skin	WNL
GI	WNL
GU	WNL
Other	NA

Scenario End Point

Case Study: Patient responds well in insulin treatment
Nurse gets teachback from patient about insulin education
Nurse educates patient on Diabetic Diet and Exercise to help with Diabetes

Vital Signs	T	98.6	HR	85	RR	19	BP	120/78	SpO2	96	Pain	0/10	BS	140
Cardiac	WNL													
Respiratory	WNL													
Neuro	WNL													
Skin	WNL													
GI	WNL													
GU	WNL													
Other	NA													

Debriefing Questions:
1.What education did you give to your patient? Was there anything else that you would have educated them on if you could go back?

2. What was different about caring for someone outpatient versus an inpatient setting such as the hospital?

Patient Report:
34 year old G3P2, 28 weeks pregnant presents today for a follow-up from a failed glucose tolerance test with the BS level begin 152 mg/dL. In her second pregnancy she had gestational diabetes that was controlled by diet alone. She has been having increased thirst, hunger, and urination since her last appointment. VS were stable HR 85 BP 124/81 Temp 98.3 RR 19 SpO2 99%. Call the doctor when you've completed your assessment.

Additional information, Medical History:
Patient data:

DOB: 1/12/1989

MR#:   0077124981

Prior medical history: GD, HTN, Depression, BMI 32, Family history of T2D

Allergies: Penicillin

Social history: Full time teacher at an elementary school, single mom

Firelands Regional Medical Center
Sandusky, Ohio

Physician's Orders

NAME: _Jamie Smith__	STATUS: SIGNED
DATE ORD: XX/XX/XX	ROOM: __10__
ORD PHYS: _DR. Student__	MR# _0077124981_
ATTENDING: _____	DOB: _01/2/1989_
AGE: 32_years old	DATE:

Date/Time	
	Diagnosis: Gestational Diabetes
	VS ONCE and PRN
	Diet: Carb Consistent 1800 kcals
	Medications:_Novolog Flexpen per sliding scale, Losartan, Ondansetron, Fluoxetine
	FSBS ACHS & PRN
	FSBS and Insulin Administration Education
	Call lab for Glucose Tolerance Test Results
	Dr. _____

√	Start Stop Current Status	Medication	Dose Route Frequency	Next Sched ↓ Ack Adjustment	History Monograph Co-sign	Assoc Asmnt Ref Err
	xx/xx/xxxx	Novolog Flexpen Insulin Aspart	Per sliding scale			

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xx/xx/xxxx		Subcut.	Follow Blood Sugar Sliding Scale		
Active		TID.WM.HS			
xx/xx/xxxx		4mg	0934 4mg PO		
xx/xx/xxxx	Ondansetron Zofran	PO			
Active		PRN Q8			
xx/xx/xxxx		100mg	0934 100mg PO		
xx/xx/xxxx	Losartan Cozaar	PO			
Active		BID			
xx/xx/xxxx		20 mg	0934 020mg PO		
xx/xx/xxxx	Fluoxetine Prozac	PO			
Active		Daily			
xx/xx/xxxx					
xx/xx/xxxx					
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	

Blood glucose (mg/dL)	Insulin (units)
61-150	0
151-200	3
201-250	5
251-300	8
301-350	10
351-400	12
>400	15[a]

[a]Physician should be contacted.