

## SIMULATION SCENARIO DESIGN WORKSHEET

Today's Date:	Name of Scenario Author: Email: Phone:
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### GENERAL SCENARIO INFORMATION

Est. Pre-briefing Time:	Est. Scenario Time:	Est. Debriefing Time:	Course #:
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**Title of Scenario:**  
A. Hypertension in pregnancy-assessment of patient

**Brief Description:**  
39.2 W HTN, induction for labor. Placed in labor room at 0600. Consents signed and patient placed on FHR monitor.

Setting of Sim: L/D room

Facilitators:

Dates of Sims:	Pilot Date : 12/17/19 1/9/20
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Type of Simulation (check all that apply) :  Task Trainer  Mannequin  Actor/SP

Scenario recording requested <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Classroom needed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	Debriefing Room needed <input type="checkbox"/> yes <input type="checkbox"/> no
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### PARTICIPANT INFORMATION

Disciplines:	Total Number:	Number per Sim:
RNs		2-4
MDs		
RTs		
Pharmacists		
CSTs		
Other		

**LEARNING OUTCOMES**

*\*Team STEPPS® competencies (leadership, mutual support, situation monitoring, communication) are to be incorporated into every simulation to promote patient safety (ahrq.gov, 2017)*

**General Learning Outcomes  
(to be disclosed to participants)**

Appropriate nursing care of OB HTN pt

**Scenario Specific Outcomes  
(for facilitator only)****Objectives:**

1. Learner will perform a head-to-toe assessment on an HTN patient.
2. Learner will perform DTR assessment appropriately.
3. Learner will assess BP appropriately.
4. Learner will identify elevated blood pressure.
5. Learner will document assessment in EMR.

**Expected cognitive skills to be demonstrated by participant:**

## Assess•

Understands what it means to have a hypertensive disorder in pregnancy diagnosis.  
Discuss signs and symptoms of hypertensive disorder in pregnancy.

## Document

Discuss the appropriate documentation guidelines.

**Expected psychomotor skills to be demonstrated by participant:**

- Performs proper assessment of hypertensive patient.
- Recognizes signs and symptoms, lab values, and vital signs associated with hypertensive disorder.
- Performs neuro assessment, including level of consciousness, DTRs, presence of visual disturbance, headache, and epigastric pain.

**Expected affective skills to be demonstrated by participant:**

Demonstrates assessment of patient and notifies physician using SBAR.  
Documents assessments and practices appropriately in the EMR.  
Commits to providing patient comfort and safety.

**PRE-BRIEFING INFORMATION**

Pre-requisite Knowledge/Reading/Testing (provide references on last page):

POEP:

Module 8 Complications of Pregnancy, Part 2

CBT:

FHCI Hypertensive Disorders in Pregnancy

Policy:

Hypertensive Disorder in Pregnancy

*NOTE TO FACILIATORS: Prior to beginning the simulation, participants must be oriented to simulator and/or setting, understand guidelines and expectations for their scenario(s), have completed all pre-work, and understand their assigned roles.*

**Pre-Briefing Report to Participants**

S

<b>PATIENT</b>	Tonya	<b>AGE/SEX</b>	32 yr old	<b>ADMISSION WEIGHT</b>	
<b>PRIMARY MD</b>	Triplett and/or Fam. Med MD		<b>PROCEDURE</b>		
<b>CONSULTS</b>			<b>CODE STATUS</b>	Full	
<b>DX</b>	HTN in pregnancy		<b>PASSWORD</b>		
<b>CURRENT PROBLEM</b>	Elevated blood pressures in pregnancy, induction		<b>NEXT OF KIN</b>	Husband: Matt	
				<b>DIET</b>	NPO

B

<b>HX</b>	39.2 weeks gestation Induction of labor Chronic Hypertension- not on medications				
<b>ALLERGIES</b>	NKDA				
<b>MEDICATIONS</b>	PNV				
<b>SAFETY/PRECAUTIONS</b>	none				
<b>RESTRAINTS</b>	none				

A

<b>CURRENT CONDITION</b>		<input type="checkbox"/> VENT	<input type="checkbox"/> ETT	<b>SIZE</b>		<b>LOCATION</b>	
<b>SKIN</b>		<b>PAIN</b>	0 /10	<b>MODE</b>		<b>RATE</b>	<input type="checkbox"/> PEEP
<b>CARDIO/RHYTHM/PULSES</b>		<b>FIO2</b>		<input type="checkbox"/> PS		<input type="checkbox"/> NC	<input type="checkbox"/> CPAP/BIPAP
<b>RESP</b>	Clear lung sounds		<input checked="" type="checkbox"/> IV LINES				
<b>NEURO</b>	A/Ox3, DTRs normal		<input type="checkbox"/> PICC/CVL		<input type="checkbox"/> ART		
<b>GI/GU</b>	BM	<b>VOID</b>		<input checked="" type="checkbox"/> MIVF	LR at 125 ml/hr		
	<input type="checkbox"/> FOLEY		<input type="checkbox"/> DRIPS				
<b>TUBES</b>	<input type="checkbox"/> NG/OG	<input type="checkbox"/> JP	<input type="checkbox"/> CT				
<b>I/O</b>							
<b>VITALS</b>	Routine						
<b>ACTIVITY</b>	Up ad lib						

R

<b>SUGGESTIONS/RECOMMENDATIONS/REQUESTS TO MD/NURSE</b>		
<b>ORDERS</b>	Admit to inpatient. Full Code. Activity as tolerated Vital signs, routine	

	Pain assessment, routine Intake and output, routine Diet Clear liquid Insert peripheral IV CBC with dif STAT Hold Specimen-blood bank STAT UDS STAT LR 125ml/hr
<b>ANTICIPATED CHANGES OR OTHER ISSUES</b>	
<b>PENDING LABS</b>	

<b>SET UP/RESOURCES</b>		
<b>(for simulation center staff)</b>		
Simulation Setting		
<input type="checkbox"/> ER <input type="checkbox"/> Med-Surg <input type="checkbox"/> Pediatrics <input type="checkbox"/> ICU <input type="checkbox"/> OR / PACU	<input checked="" type="checkbox"/> Women's & Children's <input type="checkbox"/> Behavioral Health <input type="checkbox"/> Home Health <input type="checkbox"/> Pre-Hospital <input type="checkbox"/> Doctor's office/clinic (table, chairs and exam table) <input type="checkbox"/> Other:	
Time of Day: morning		
Is the patient a mannequin or a Standardized Patient (SP)? mannequin		
Appearance of Mannequin		
Clothing gown	Moulage	Incisions/Dressings
Appearance of Actor/SP		
Clothing	Moulage	Incisions/Dressings
Monitor Waveform Setup		
EKG/HR <input type="checkbox"/>	RR <input type="checkbox"/>	O2 Sat <input type="checkbox"/>
BP <input type="checkbox"/>	Arterial Line <input type="checkbox"/>	PAP <input type="checkbox"/>
ETCO2 <input type="checkbox"/>	Other: FHR, contractions every 5 minutes	
Equipment attached to patient		
ECG Monitor <input type="checkbox"/>	BP Cuff <input checked="" type="checkbox"/>	Arterial/PA lines <input type="checkbox"/>
Oxygen Sat Probe <input checked="" type="checkbox"/>	NG tube <input type="checkbox"/>	Foley <input type="checkbox"/> Urine Color:
Chest Tube <input type="checkbox"/>	Vent <input type="checkbox"/>	IV line <input checked="" type="checkbox"/>

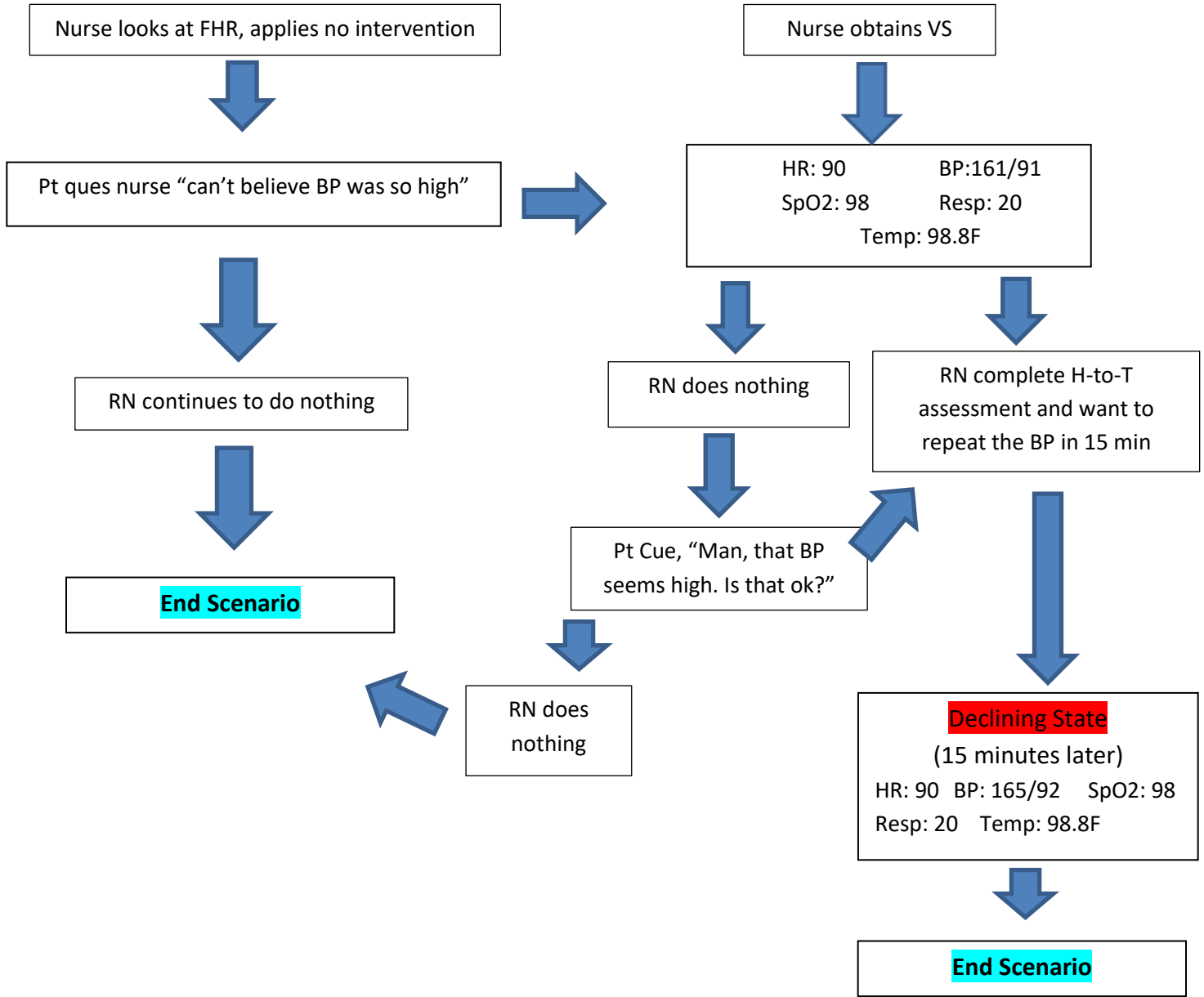
ID Band/MRN <input checked="" type="checkbox"/>	Allergy Band <input type="checkbox"/>	IO <input type="checkbox"/>	SCDs <input type="checkbox"/>
Fall Blanket/Footies <input checked="" type="checkbox"/>	Other:		
IV Type			
PIV <input checked="" type="checkbox"/>	Saline Lock <input type="checkbox"/>	Central Line <input type="checkbox"/>	
PICC <input type="checkbox"/>	UVC/UAC <input type="checkbox"/>		
IV Fluids/Rate			
NS	D5	D10	
<b>LR running @ 125</b>	Other:		
Rate of Fluids:			
Medications (to be retrieved from Pyxis)			
PO	IVP	IVPB	
		Pitocin 500ml bag infusing at 1ml/hr (1mu/hr)	
Medication Equipment Available in the Room			
IV Pump <input checked="" type="checkbox"/>	Number of channels 2	IV Pump Tubing <input type="checkbox"/>	
IV Piggyback tubing <input type="checkbox"/>	IV gravity tubing <input type="checkbox"/>	Extra IV tubing <input type="checkbox"/>	
Syringes/#/Size	Needles/#/size	Med cart/Pyxis	
IV start supplies/angio gauge	Art Line <input type="checkbox"/>	PA Catheter <input type="checkbox"/>	
Pressure bag <input type="checkbox"/>	Syringe pump <input type="checkbox"/>	Syringe pump tubing <input type="checkbox"/>	
IO <input type="checkbox"/>	Umbilical Line <input type="checkbox"/>	Other	
Cardiac Equipment Available in the room			
12 lead ECG machine <input type="checkbox"/>	Code Cart <input type="checkbox"/>	Defibrillator <input type="checkbox"/>	
Temp Pacemaker <input type="checkbox"/>	Telemetry Pack <input type="checkbox"/>	AED <input type="checkbox"/>	
Respiratory Equipment Available in the room			
Nasal cannula <input checked="" type="checkbox"/>	Simple Facemask <input type="checkbox"/>	Venturi Mask <input type="checkbox"/>	
Non-rebreather <input checked="" type="checkbox"/>	IS <input type="checkbox"/>	Trach <input type="checkbox"/>	
BiPAP/CPAP <input type="checkbox"/>	Vent <input type="checkbox"/>	Suction <input type="checkbox"/>	
Suction cath/#/size	Intubation box <input type="checkbox"/>	Other: suction set up on table so that during prebrief learners can learn to set up	
GI Equipment Available in the room			
NG/OG <input type="checkbox"/>	G tube <input type="checkbox"/>	Feeding pump <input type="checkbox"/>	
Feeding bag <input type="checkbox"/>	Dining tray <input type="checkbox"/>	Other:	
GU Equipment Available in the room			

Foley <input type="checkbox"/>	Condom catheter <input type="checkbox"/>	SP catheter <input type="checkbox"/>
Urinal <input type="checkbox"/>	Bedpan	Other:
Other Supplies		
TED hose <input type="checkbox"/>	SCDs <input type="checkbox"/>	Dressing Supplies <input type="checkbox"/>
Venipuncture <input type="checkbox"/>	Blood tubes <input type="checkbox"/>	Culture tubes <input type="checkbox"/>
Thermometer <input checked="" type="checkbox"/>	Pen light <input type="checkbox"/>	Fall blanket/footies <input type="checkbox"/>
Any additional set up notes for sim staff: stethoscope. Reflex hammer, Assessment QR codes (or something for clonus and reflexes)		

**Scenario Progression Storyboard**

**Patient Initial State**

Tonya is here today for her scheduled induction of labor for 39.2 weeks. Induction started at 0600. Night shift has started her admission and has signed consents, started her IV, and placed her on the EFM/TOCO.  
FHR: 140, moderate variability, with accelerations.  
Pain: 0 out of 10





### Progression Outline

Timing	Patient verbal and/or non-verbal communication	Participant expected behaviors/interventions	Patient Response (potential cues for participant if needed?)
Beginning (0-2 mins)	<ul style="list-style-type: none"> <li>• Sitting up in bed</li> <li>• has the EFM/TOCO on</li> <li>• not in any pain.</li> </ul>	<ul style="list-style-type: none"> <li>• RN asks pt how she is feeling and why being induced</li> <li>• Takes VS (HR, BP, SpO2, Resp, Temp-tape temp on thermometer)</li> </ul>	<ul style="list-style-type: none"> <li>• I have been having elevated blood pressures during my pregnancy (140s/80s).</li> </ul>
2-5 mins	<ul style="list-style-type: none"> <li>• Patient starting to be concerned about her elevated blood pressure.</li> </ul>	<ul style="list-style-type: none"> <li>• RN notices that the BP is elevated</li> <li>• Inform patient that her BP is above call orders at this time and is going to retake in 15 min.</li> </ul>	<ul style="list-style-type: none"> <li>• Is my blood pressure okay?</li> </ul>
5-12 mins	<ul style="list-style-type: none"> <li>• Pt slightly nervous, otherwise normal</li> </ul>	<ul style="list-style-type: none"> <li>• Start performing H-to-T assessment</li> <li>• Ask questions: HA? Blurry vision/vision changes? Epigastric pain?</li> <li>• Listen to lung and heart sounds</li> <li>• Perform clonus and reflex assessment (DTR)</li> <li>• Document findings in EPIC</li> </ul>	<ul style="list-style-type: none"> <li>• No HA, blurry vision, or pain</li> </ul>

12-15 mins	<ul style="list-style-type: none"> <li>• Still slightly anxious</li> </ul>	<ul style="list-style-type: none"> <li>• Re-take VS (BP, HR)</li> </ul>	<ul style="list-style-type: none"> <li>• Is my BP better?</li> </ul>
End of Scenario (When objectives met? At specified time period)		<ul style="list-style-type: none"> <li>• Informs pt of results and calling MD</li> </ul>	

SP role description	
Name and Role in scenario (Patient? Family member?)	
Brief Scenario Summary	
Patient location	
History pertinent to simulation	
Mental State/Demeanor	

Questions/comments SP may verbalize during scenario	
SP Observations	How does the staff communicate with you and with each other?

<b>DEBRIEFING GUIDE</b>	
<input checked="" type="checkbox"/> With Video	<input type="checkbox"/> Without Video

Debriefing/Guided Reflection Questions:

1. How did you feel throughout the simulation experience
2. Tell me what went well.

General learning outcome(s)
Appropriate nursing care of OB HTN pt
Scenario Specific Outcomes *Copy from page 2 of this form*
<p><b>Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Did you patient have elevated blood pressure? How did you know this?</li> <li>2. I see you performed a head-to-toe assessment, tell me about this?</li> <li>3. Tell me how you performed reflexes assessment? Have you ever done this before? Do we need more practice?</li> <li>4. Tell me how you knew which blood pressure cuff to use? Tell me how you took her blood pressure.</li> <li>5. Tell me how you document your assessment</li> </ol>

3. Let's review the objectives and discuss whether we were successful or not
4. If you were able to repeat the scenario, what would you do differently?
5. What GAPS did you identify in your own knowledge base and/or preparation for the simulation experience?
6. Talk about how you will transfer what is learned during this experience to your work setting.
7. Is there anything else you would like to discuss?

**Evaluation Tools**

\*Attach to this page the evaluation tools (surveys, tests) that you plan to use\*

**References****\*List references for your educational content\***

ahrq.gov. (2017, August). *TeamSTEPPS 2.0 Team Strategies and Tools to Enhance Performance and Patient Safety*. Retrieved from <https://www.ahrq.gov/sites/default/files/wysiwyg/professionals/education/curriculum-tools/teamstepps/instructor/essentials/pocketguide.pdf>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3119563/>

## SIMULATION SCENARIO DESIGN WORKSHEET

Today's Date:	Name of Scenario Author: Email: Phone:
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### GENERAL SCENARIO INFORMATION

<b>Est. Pre-briefing Time:</b>	<b>Est. Scenario Time:</b>	<b>Est. Debriefing Time:</b>	<b>Course #:</b>
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**Title of Scenario:**  
B. Hypertension panels

**Brief Description:**  
39.2 W HTN, induction for labor. Placed in labor room at 0600. Consents signed and patient placed on FHR monitor. 2 elevated blood pressures above call orders. RN will call MD, give SBAR report, and obtain panel orders.

**Setting of Sim:** L/D room

**Facilitators:**

<b>Dates of Sims:</b>	<b>Pilot Date :</b> 12/17/19 1/9/20
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**Type of Simulation (check all that apply) :**  Task Trainer  Mannequin  Actor/SP

Scenario recording requested <input type="checkbox"/> Yes <input type="checkbox"/> no	Classroom needed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	Debriefing Room needed <input type="checkbox"/> Yes <input type="checkbox"/> no
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### PARTICIPANT INFORMATION

Disciplines:	Total Number:	Number per Sim:
RNs		2-4
MDs		
RTs		
Pharmacists		
CSTs		
Other		

## LEARNING OUTCOMES

*\*Team STEPPS® competencies (leadership, mutual support, situation monitoring, communication) are to be incorporated into every simulation to promote patient safety (ahrq.gov, 2017)*

### General Learning Outcomes (to be disclosed to participants)

Appropriate nursing care of OB HTN pt

### Scenario Specific Outcomes (for facilitator only)

#### Objectives:

1. Learner will complete an SBAR report to a Physician.
2. Learner will find and place the appropriate orders given in EMR.
3. Learner will give Labetalol appropriately.
4. Learner will follow blood pressure protocol after medication administered.

#### Expected cognitive skills to be demonstrated by participant:

##### Plan•

Discusses warning signs of a hypertensive disorder.

##### Implement

Identify precautions used for hypertensive disorders (seizure precautions, timing of checks, decrease environmental stimuli, etc).

##### Document

Discuss the appropriate documentation guidelines.

#### Expected psychomotor skills to be demonstrated by participant:

- Performs proper assessment of hypertensive patient.
- Recognizes signs and symptoms, lab values, and vital signs associated with hypertensive disorder.
- Performs neuro assessment, including level of consciousness, DTRs, presence of visual disturbance, headache, and epigastric pain.

#### Expected affective skills to be demonstrated by participant:

Demonstrates assessment of patient and notifies physician using SBAR.  
Documents assessments and practices appropriately in the EMR.  
Commits to providing patient comfort and safety.

## PRE-BRIEFING INFORMATION

Pre-requisite Knowledge/Reading/Testing (provide references on last page):

#### POEP:

Module 8 Complications of Pregnancy, Part 2

#### CBT:

FHCI Hypertensive Disorders in Pregnancy

#### Policy:

Hypertensive Disorder in Pregnancy

*NOTE TO FACILIATORS: Prior to beginning the simulation, participants must be oriented to simulator and/or setting, understand guidelines and expectations for their scenario(s), have completed all pre-work, and understand their assigned roles.*



**Pre-Briefing Report to Participants**

S

<b>PATIENT</b>	Tonya	<b>AGE/SEX</b>	32 yr old	<b>ADMISSION WEIGHT</b>	
<b>PRIMARY MD</b>	Triplett and/or Fam. Med MD		<b>PROCEDURE</b>		
<b>CONSULTS</b>			<b>CODE STATUS</b>	Full	
<b>DX</b>	HTN in pregnancy		<b>PASSWORD</b>		
<b>CURRENT PROBLEM</b>	Elevated blood pressures in pregnancy, induction		<b>NEXT OF KIN</b>	Husband: Matt	
				<b>DIET</b>	clears

B

<b>HX</b>	39.2 weeks gestation Induction of labor Chronic Hypertension- not on medications				
<b>ALLERGIES</b>	NKDA				
<b>MEDICATIONS</b>	PNV				
<b>SAFETY/PRECAUTIONS</b>	none				
<b>RESTRAINTS</b>	none				

A

<b>CURRENT CONDITION</b>		<input type="checkbox"/> VENT	<input type="checkbox"/> ETT	<b>SIZE</b>		<b>LOCATION</b>	
<b>SKIN</b>		<b>PAIN</b>	0 /10	<b>MODE</b>		<b>RATE</b>	<input type="checkbox"/> PEEP
<b>CARDIO/RHYTHM/PULSES</b>		<b>FIO2</b>		<input type="checkbox"/> PS		<input type="checkbox"/> NC	<input type="checkbox"/> CPAP/BIPAP
<b>RESP</b>	Clear lung sounds		<input checked="" type="checkbox"/> IV LINES				
<b>NEURO</b>	A/Ox3, DTRs normal		<input type="checkbox"/> PICC/CVL		<input type="checkbox"/> ART		
<b>GI/GU</b>	BM	<b>VOID</b>		<input checked="" type="checkbox"/> MIVF	L R at 125ml/hr		
	<input type="checkbox"/> FOLEY			<input type="checkbox"/> DRIPS			
<b>TUBES</b>	<input type="checkbox"/> NG/OG	<input type="checkbox"/> JP	<input type="checkbox"/> CT				
<b>I/O</b>							
<b>VITALS</b>	Routine						
<b>ACTIVITY</b>	Up ad lib						

R

<b>SUGGESTIONS/RECOMMENDATIONS/REQUESTS TO MD/NURSE</b>	
Call MD for orders	
<b>ORDERS</b>	Admit to inpatient. Full Code. Activity as tolerated Vital signs, routine

	Pain assessment, routine Intake and output, routine Diet Clear liquid Insert peripheral IV CBC with dif STAT Hold Specimen-blood bank STAT UDS STAT LR 125ml/hr
<b>ANTICIPATED CHANGES OR OTHER ISSUES</b>	
<b>PENDING LABS</b>	

<b>SET UP/RESOURCES</b>		
<b>(for simulation center staff)</b>		
Simulation Setting		
<input type="checkbox"/> ER <input type="checkbox"/> Med-Surg <input type="checkbox"/> Pediatrics <input type="checkbox"/> ICU <input type="checkbox"/> OR / PACU	<input checked="" type="checkbox"/> Women's & Children's <input type="checkbox"/> Behavioral Health <input type="checkbox"/> Home Health <input type="checkbox"/> Pre-Hospital <input type="checkbox"/> Doctor's office/clinic (table, chairs and exam table) <input type="checkbox"/> Other:	
Time of Day: morning		
Is the patient a mannequin or a Standardized Patient (SP)? mannequin		
Appearance of Mannequin		
Clothing gown	Moulage	Incisions/Dressings
Appearance of Actor/SP		
Clothing	Moulage	Incisions/Dressings
Monitor Waveform Setup		
EKG/HR <input type="checkbox"/>	RR <input type="checkbox"/>	O2 Sat <input type="checkbox"/>
BP <input type="checkbox"/>	Arterial Line <input type="checkbox"/>	PAP <input type="checkbox"/>
ETCO2 <input type="checkbox"/>	Other:	
Equipment attached to patient		
EKG Monitor <input checked="" type="checkbox"/> have ready, staff will have to place it on patient	BP Cuff <input checked="" type="checkbox"/>	Arterial/PA lines <input type="checkbox"/>
Oxygen Sat Probe <input checked="" type="checkbox"/>	NG tube <input type="checkbox"/>	Foley <input type="checkbox"/> Urine Color:
Chest Tube <input type="checkbox"/>	Vent <input type="checkbox"/>	IV line <input checked="" type="checkbox"/>

ID Band/MRN <input checked="" type="checkbox"/>	Allergy Band <input type="checkbox"/>	IO <input type="checkbox"/>	SCDs <input type="checkbox"/>
Fall Blanket/Footies <input checked="" type="checkbox"/>	Other: FHM attached to pt		
IV Type			
PIV <input checked="" type="checkbox"/>	Saline Lock <input type="checkbox"/>	Central Line <input type="checkbox"/>	
PICC <input type="checkbox"/>	UVC/UAC <input type="checkbox"/>		
IV Fluids/Rate			
NS	D5	D10	
<b>LR running @ 125</b>	Other:		
Rate of Fluids:			
Medications (to be retrieved from Pyxis)			
PO	IVP	IVPB	
	1. Labetalol 20/40/80 (ask Gina to make fake meds)		
Medication Equipment Available in the Room			
IV Pump <input checked="" type="checkbox"/>	Number of channels 2	IV Pump Tubing <input checked="" type="checkbox"/>	
IV Piggyback tubing <input type="checkbox"/>	IV gravity tubing <input type="checkbox"/>	Extra IV tubing <input checked="" type="checkbox"/>	
Syringes/#/Size 3 10 ml flushes	Needles/#/size	Med cart/Pyxis Pyxis needs to have Labetalol	
IV start supplies/angio gauge	Art Line <input type="checkbox"/>	PA Catheter <input type="checkbox"/>	
Pressure bag <input type="checkbox"/>	Syringe pump <input type="checkbox"/>	Syringe pump tubing <input type="checkbox"/>	
IO <input type="checkbox"/>	Umbilical Line <input type="checkbox"/>	Other	
Cardiac Equipment Available in the room			
12 lead ECG machine <input type="checkbox"/>	Code Cart <input type="checkbox"/>	Defibrillator <input type="checkbox"/>	
Temp Pacemaker <input type="checkbox"/>	Telemetry Pack <input type="checkbox"/>	AED <input type="checkbox"/>	
Respiratory Equipment Available in the room			
Nasal cannula <input checked="" type="checkbox"/>	Simple Facemask <input type="checkbox"/>	Venturi Mask <input type="checkbox"/>	
Non-rebreather <input checked="" type="checkbox"/>	IS <input type="checkbox"/>	Trach <input type="checkbox"/>	
BiPAP/CPAP <input type="checkbox"/>	Vent <input type="checkbox"/>	Suction <input type="checkbox"/>	
Suction cath/#/size	Intubation box <input type="checkbox"/>	Other	
GI Equipment Available in the room			
NG/OG <input type="checkbox"/>	G tube <input type="checkbox"/>	Feeding pump <input type="checkbox"/>	
Feeding bag <input type="checkbox"/>	Dining tray <input type="checkbox"/>	Other:	

GU Equipment Available in the room		
Foley <input checked="" type="checkbox"/>	Condom catheter <input type="checkbox"/>	SP catheter <input type="checkbox"/>
Urinal <input type="checkbox"/>	Bedpan	Other:
Other Supplies		
TED hose <input type="checkbox"/>	SCDs <input type="checkbox"/>	Dressing Supplies <input type="checkbox"/>
Venipuncture <input type="checkbox"/>	Blood tubes <input type="checkbox"/>	Culture tubes <input type="checkbox"/>
Thermometer <input checked="" type="checkbox"/>	Pen light <input type="checkbox"/>	Fall blanket/footies <input type="checkbox"/>
Any additional set up notes for sim staff: stethoscope. Reflex hammer, Assessment QR codes (or something for clonus and reflexes), seizure precautions equip (blankets, cloth tape)		

**Scenario Progression Storyboard**

**Patient Initial State**

Tonya is reclining in her bed. She is anxious and nervous when the RN returns to the room.

FHR: 140, moderate variability, accelerations      HR:90      BP: 162/90      SpO2: 98      Resp: 20      Temp: 98.8F

MD calls via Vocera to RN. RN to give SBAR report to RN. MD gives orders for Labetalol Panel and seizure precautions to be ordered.

Order to be placed into Epic.

Nurse overrides Labetalol to give to patient.

RN places pt on EKG

RN does nothing

Pt cues nurse "what did the doctor say?"

Labetalol 20mg IV push.

"Will that medicine affect my HR?"

Head-to-toe assessment performed.

RN does nothing

Pt Cue, "Man, that BP seems high. Is that ok?"

**End Scenario**

**Declining State** (10 minutes later)-

FHR: 140, moderate variability, accels  
HR: 92      BP: 170/100  
SpO2: 98      Resp: 20      Temp: 98.8F

RN does nothing

Give Labetalol 40 mg IV push.

**End Scenario**

### Progression Outline

Timing	Patient verbal and/or non-verbal communication	Participant expected behaviors/interventions	Patient Response (potential cues for participant if needed?)
Beginning (0-2 mins)	<ul style="list-style-type: none"> <li>Pt getting more nervous/anxious, otherwise normal</li> </ul>	<ul style="list-style-type: none"> <li>RN informs patient on the order received and answers any questions.</li> <li>Places order in Epic</li> <li>Puts patient on EKG</li> </ul>	<ul style="list-style-type: none"> <li>What did the doctor say?</li> </ul>
2-5 mins	<ul style="list-style-type: none"> <li>Pt questions about the medication and will this affect my baby</li> </ul>	<ul style="list-style-type: none"> <li>RN gets medication out of Pyxis</li> <li>Scans appropriate amount</li> <li>Pushes med over 2 minutes</li> </ul>	
5-7 mins	<ul style="list-style-type: none"> <li>Pt nervous/ anxious, otherwise normal</li> </ul>	<ul style="list-style-type: none"> <li>Performs H-to-t assessment.</li> <li>Seizure precautions placed on patient</li> <li>Ask questions: HA? Blurry vision/vision changes? Epigastric pain?</li> <li>Listen to lung and heart sounds</li> <li>Perform clonus and reflex assessment (DTR)</li> <li>Document findings in EPIC and seizure precautions.</li> </ul>	<ul style="list-style-type: none"> <li>Pt Cue, "Man, that BP seems high. Is that ok?"</li> <li>No HA, blurry vision, or pain</li> </ul>

7-10 mins	<ul style="list-style-type: none"> <li>Pt is questioning about the reading</li> </ul>	<ul style="list-style-type: none"> <li>Re-take VS (BP, HR)</li> <li>Recognizes it is high</li> <li>Informs pt of results</li> </ul>	<ul style="list-style-type: none"> <li>Is my BP better?</li> </ul>
End of Scenario (When objectives met? At specified time period)		<ul style="list-style-type: none"> <li>Gives another dose of medication</li> </ul>	

SP role description	
Name and Role in scenario (Patient? Family member?)	
Brief Scenario Summary	
Patient location	
History pertinent to simulation	
Mental State/Demeanor	

Questions/comments SP may verbalize during scenario	
SP Observations	How does the staff communicate with you and with each other?

<b>DEBRIEFING GUIDE</b>	
<input checked="" type="checkbox"/> With Video	<input type="checkbox"/> Without Video



Debriefing/Guided Reflection Questions:

1. Let's start with the series of events. Let's walk through what happened.
2. How did you feel throughout the simulation experience?
3. Tell me what went well.

General learning outcome(s)
Appropriate nursing care of OB HTN pt
Scenario Specific Outcomes *Copy from page 2 of this form*
<p><b>Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Tell me about your SBAR with the physician. How did you feel/concerns/questions?</li> <li>2. Tell me about how placing the orders in the EMR went.</li> <li>3. What medication did you give your patient? How did that feel? Comfortable/need more practice?</li> <li>4. Tell me about your next steps once you are in the HTN protocol.</li> </ol>

4. Let's review the objectives and discuss whether we were successful or not.
5. If you were able to repeat the scenario, what would you do differently?
6. What GAPS did you identify in your own knowledge base and/or preparation for the simulation experience?
7. Talk about how you will transfer what is learned during this experience to your work setting.
8. Is there anything else you would like to discuss?

**Evaluation Tools**

\*Attach to this page the evaluation tools (surveys, tests) that you plan to use\*

**References****\*List references for your educational content\***

ahrq.gov. (2017, August). *TeamSTEPPS 2.0 Team Strategies and Tools to Enhance Performance and Patient Safety*. Retrieved from <https://www.ahrq.gov/sites/default/files/wysiwyg/professionals/education/curriculum-tools/teamstepps/instructor/essentials/pocketguide.pdf>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3119563/>

MD speaking points

Actions	Statements
SBAR called to MD	Hello, _____. What is going on?
	Yes, that is my patient. Any signs and symptoms? How is her DTRs? Blurry vision? Headache? Epigastric pain?
RN answers	Start the Labetalol panel and call me back with an update in an hour.

## SIMULATION SCENARIO DESIGN WORKSHEET

Today's Date:	Name of Scenario Author: Email: Phone:
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### GENERAL SCENARIO INFORMATION

<b>Est. Pre-briefing Time:</b>	<b>Est. Scenario Time:</b>	<b>Est. Debriefing Time:</b>	<b>Course #:</b>
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**Title of Scenario:**  
C. Hypertension with seizure

**Brief Description:**  
39.2 W HTN, induction for labor. Placed in labor room at 0600. Consents signed and patient placed on monitor. 2 elevated blood pressures above call orders. RN will continue to assess patient. Patient seizes.

**Setting of Sim:** L/D room

**Facilitators:**

<b>Dates of Sims:</b>	<b>Pilot Date :</b> 12/17/19 1/9/20
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**Type of Simulation (check all that apply) :**  Task Trainer  Mannequin  Actor/SP

Scenario recording requested <input type="checkbox"/> Yes <input type="checkbox"/> no	Classroom needed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	Debriefing Room needed <input type="checkbox"/> Yes <input type="checkbox"/> no
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### PARTICIPANT INFORMATION

Disciplines:	Total Number:	Number per Sim:
RNs		2-4
MDs		
RTs		
Pharmacists		
CSTs		
Other		

## LEARNING OUTCOMES

*\*Team STEPPS® competencies (leadership, mutual support, situation monitoring, communication) are to be incorporated into every simulation to promote patient safety (ahrq.gov, 2017)*

### General Learning Outcomes (to be disclosed to participants)

Appropriate nursing care of OB HTN pt

### Scenario Specific Outcomes (for facilitator only)

#### Objectives:

1. Learner will turn patient to side during seizure.
2. Learner will have suction and yankauer set up.
3. Learner will have oxygen turned on.
4. Learner will perform after care of a seizure by keeping pt on side, assess LOC, and perform VS.
5. Learner will notify MD of event.

#### Expected cognitive skills to be demonstrated by participant:

##### Implement

Identify precautions used for hypertensive disorders (seizure precautions, timing of checks, decrease environmental stimuli, etc).  
Discusses seizure precautions and decreased environmental stimuli (low lights, quiet environment, and padded side rails).

##### Evaluate

Understands warning signs of a hypertensive disorder.

##### Document

Discuss the appropriate documentation guidelines.

#### Expected psychomotor skills to be demonstrated by participant:

- Performs proper assessment of hypertensive patient.
- Recognizes signs and symptoms, lab values, and vital signs associated with hypertensive disorder.
- Performs neuro assessment, including level of consciousness, DTRs, presence of visual disturbance, headache, and epigastric pain.

#### Expected affective skills to be demonstrated by participant:

Demonstrates assessment of patient and notifies physician using SBAR.  
Documents assessments and practices appropriately in the EMR.  
Commits to providing patient comfort and safety.

## PRE-BRIEFING INFORMATION

Pre-requisite Knowledge/Reading/Testing (provide references on last page):

POEP:

Module 8 Complications of Pregnancy, Part 2

CBT:

FHCI Hypertensive Disorders in Pregnancy

Policy:

Hypertensive Disorder in Pregnancy

*NOTE TO FACILIATORS: Prior to beginning the simulation, participants must be oriented to simulator and/or setting, understand guidelines and expectations for their scenario(s), have completed all pre-work, and understand their assigned roles.*

**Pre-Briefing Report to Participants**

S

<b>PATIENT</b>	Tonya	<b>AGE/SEX</b>	32 yr old	<b>ADMISSION WEIGHT</b>	
<b>PRIMARY MD</b>	Triplett and/or Fam. Med MD		<b>PROCEDURE</b>		
<b>CONSULTS</b>			<b>CODE STATUS</b>	Full	
<b>DX</b>	HTN in pregnancy		<b>PASSWORD</b>		
<b>CURRENT PROBLEM</b>	Elevated blood pressures in pregnancy, induction		<b>NEXT OF KIN</b>	Husband: Matt	
				<b>DIET</b>	clears

B

<b>HX</b>	39.2 weeks gestation Induction of labor Chronic Hypertension- not on medications				
<b>ALLERGIES</b>	NKDA				
<b>MEDICATIONS</b>	PNV				
<b>SAFETY/PRECAUTIONS</b>	none				
<b>RESTRAINTS</b>	none				

A

<b>CURRENT CONDITION</b>		<input type="checkbox"/> VENT	<input type="checkbox"/> ETT	<b>SIZE</b>		<b>LOCATION</b>	
<b>SKIN</b>		<b>PAIN</b>	0 /10	<b>MODE</b>		<b>RATE</b>	<input type="checkbox"/> PEEP
<b>CARDIO/RHYTHM/PULSES</b>		<b>FIO2</b>		<input type="checkbox"/> PS		<input type="checkbox"/> NC	<input type="checkbox"/> CPAP/BIPAP
<b>RESP</b>	Clear lung sounds		<input checked="" type="checkbox"/> IV LINES				
<b>NEURO</b>	A/Ox3, DTRs normal		<input type="checkbox"/> PICC/CVL		<input type="checkbox"/> ART		
<b>GI/GU</b>	BM	<b>VOID</b>		<input checked="" type="checkbox"/> MIVF	LR at 125mL/hr		
	<input type="checkbox"/> FOLEY		<input type="checkbox"/> DRIPS				
<b>TUBES</b>	<input type="checkbox"/> NG/OG	<input type="checkbox"/> JP	<input type="checkbox"/> CT				
<b>I/O</b>							
<b>VITALS</b>							
<b>ACTIVITY</b>	Up ad lib						

R

<b>SUGGESTIONS/RECOMMENDATIONS/REQUESTS TO MD/NURSE</b>	
Call MD for orders	
<b>ORDERS</b>	Admit to inpatient. Full Code. Activity as tolerated Vital signs, routine

Notify Physician Vitals/other: SBP >159, DBP >109 Assess DTRs q4h Weigh patient daily Pain assessment, routine Intake and output, every shift Nonrebreather mask oxygen at 10-12 liters, routine Diet Clear liquid Insert peripheral IV CBC with dif STAT Hold Specimen-blood bank STAT UDS STAT LR 125ml/hr Labetalol (Nordomyne) panel: 20mg, 40mg, 80mg prn
<b>ANTICIPATED CHANGES OR OTHER ISSUES</b>
<b>PENDING LABS</b>

<b>SET UP/RESOURCES</b> <b>(for simulation center staff)</b>		
Simulation Setting		
<input type="checkbox"/> ER <input type="checkbox"/> Med-Surg <input type="checkbox"/> Pediatrics <input type="checkbox"/> ICU <input type="checkbox"/> OR / PACU	<input checked="" type="checkbox"/> Women's & Children's <input type="checkbox"/> Behavioral Health <input type="checkbox"/> Home Health <input type="checkbox"/> Pre-Hospital <input type="checkbox"/> Doctor's office/clinic (table, chairs and exam table) <input type="checkbox"/> Other:	
Time of Day: morning		
Is the patient a mannequin or a Standardized Patient (SP)? mannequin		
Appearance of Mannequin		
Clothing gown	Moulage	Incisions/Dressings
Appearance of Actor/SP		
Clothing	Moulage	Incisions/Dressings
Monitor Waveform Setup		
EKG/HR <input type="checkbox"/>	RR <input type="checkbox"/>	O2 Sat <input type="checkbox"/>
BP <input type="checkbox"/>	Arterial Line <input type="checkbox"/>	PAP <input type="checkbox"/>
ETCO2 <input type="checkbox"/>	Other:	



Equipment attached to patient		
ECG Monitor <input type="checkbox"/>	BP Cuff <input checked="" type="checkbox"/>	Arterial/PA lines <input type="checkbox"/>
Oxygen Sat Probe <input checked="" type="checkbox"/>	NG tube <input type="checkbox"/>	Foley <input type="checkbox"/> Urine Color:
Chest Tube <input type="checkbox"/>	Vent <input type="checkbox"/>	IV line <input checked="" type="checkbox"/>
ID Band/MRN <input checked="" type="checkbox"/>	Allergy Band <input type="checkbox"/>	IO <input type="checkbox"/> SCDs <input type="checkbox"/>
Fall Blanket/Footies <input checked="" type="checkbox"/>	Other: FHM attached to pt	
IV Type		
PIV <input checked="" type="checkbox"/>	Saline Lock <input type="checkbox"/>	Central Line <input type="checkbox"/>
PICC <input type="checkbox"/>	UVC/UAC <input type="checkbox"/>	
IV Fluids/Rate		
NS	D5	D10
<b>LR running @ 125</b>	Other:	
Rate of Fluids:		
Medications (to be retrieved from Pyxis)		
PO	IVP	IVPB
Medication Equipment Available in the Room		
IV Pump <input checked="" type="checkbox"/>	Number of channels 2	IV Pump Tubing <input checked="" type="checkbox"/>
IV Piggyback tubing <input type="checkbox"/>	IV gravity tubing <input type="checkbox"/>	Extra IV tubing <input checked="" type="checkbox"/>
Syringes/#/Size 3 10 ml flushes	Needles/#/size	Med cart/Pyxis Pyxis needs to have Mag and Labetalol, and Ca Gluconate
IV start supplies/angio gauge	Art Line <input type="checkbox"/>	PA Catheter <input type="checkbox"/>
Pressure bag <input type="checkbox"/>	Syringe pump <input type="checkbox"/>	Syringe pump tubing <input type="checkbox"/>
IO <input type="checkbox"/>	Umbilical Line <input type="checkbox"/>	Other
Cardiac Equipment Available in the room		
12 lead ECG machine <input type="checkbox"/>	Code Cart <input type="checkbox"/>	Defibrillator <input type="checkbox"/>
Temp Pacemaker <input type="checkbox"/>	Telemetry Pack <input type="checkbox"/>	AED <input type="checkbox"/>
Respiratory Equipment Available in the room		
Nasal cannula <input checked="" type="checkbox"/>	Simple Facemask <input type="checkbox"/>	Venturi Mask <input type="checkbox"/>
Non-rebreather <input checked="" type="checkbox"/>	IS <input type="checkbox"/>	Trach <input type="checkbox"/>
BiPAP/CPAP <input type="checkbox"/>	Vent <input type="checkbox"/>	Suction <input type="checkbox"/>

Suction cath/#/size	Intubation box <input type="checkbox"/>	Other
GI Equipment Available in the room		
NG/OG <input type="checkbox"/>	G tube <input type="checkbox"/>	Feeding pump <input type="checkbox"/>
Feeding bag <input type="checkbox"/>	Dining tray <input type="checkbox"/>	Other:
GU Equipment Available in the room		
Foley <input checked="" type="checkbox"/>	Condom catheter <input type="checkbox"/>	SP catheter <input type="checkbox"/>
Urinal <input type="checkbox"/>	Bedpan	Other:
Other Supplies		
TED hose <input type="checkbox"/>	SCDs <input type="checkbox"/>	Dressing Supplies <input type="checkbox"/>
Venipuncture <input type="checkbox"/>	Blood tubes <input type="checkbox"/>	Culture tubes <input type="checkbox"/>
Thermometer <input checked="" type="checkbox"/>	Pen light <input type="checkbox"/>	Fall blanket/footies <input type="checkbox"/>
Any additional set up notes for sim staff: stethoscope, pads for side rails, reflex hammer, Assessment QR codes (or something for clonus and reflexes)		

**Scenario Progression Storyboard**

**Patient Initial State**

Tonya is reclining in her bed. She is anxious and nervous when the RN returns to the room. It has been 10 minutes since last dose of Labetalol.

FHR: 140, moderate variability, HR: 92 BP: 170/100 SpO2: 98 Resp: 20 Temp: 98.8F

Patient states HA blurry vision and right sided abdomen pain.

RN does nothing.

Pt cues nurse "can you do anything for my headache?"

RN does nothing

**End Scenario**

RN assess VS.

**Declining State**

FHR: 140, moderate variability, accels  
HR: 92 BP: 180/105  
SpO2: 98 Resp: 20 Temp: 98.8F

Patient seizes fo 60 sec.

FHR: 80 bpm, minimal variability (decel)

RN does nothing

RN retakes VS and assesses

**Declining State**

FHR: 130 minimal variability HR: 92  
BP: 165/94 SpO2: 98 Resp: 20  
Temp: 98.8F

**End Scenario**

### Progression Outline

Timing	Patient verbal and/or non-verbal communication	Participant expected behaviors/interventions	Patient Response (potential cues for participant if needed?)
Beginning (0-2 mins)	<ul style="list-style-type: none"> <li>HA, blurry vision, epigastric pain</li> </ul>	<ul style="list-style-type: none"> <li>RN to take next blood pressure.</li> </ul>	<ul style="list-style-type: none"> <li>I don't feel good.</li> <li>HA 6 out of 10</li> <li>Seeing spots.</li> <li>Stabbing, sharp pain on right side, continuous</li> </ul>
2-3 mins	<ul style="list-style-type: none"> <li>Pt actively seizing</li> </ul>	<ul style="list-style-type: none"> <li>RN assist patient to her side</li> <li>RN calls for additional help</li> <li>Monitor patient so that she does not hurt self.</li> <li>RN times seizure</li> <li>Suction PRN</li> </ul>	
3-5 mins	<ul style="list-style-type: none"> <li>Pt feeling fuzzy, dazed</li> </ul>	<ul style="list-style-type: none"> <li>Pt stay left turn</li> <li>Assesses VS (BP, HR, SpO2)</li> <li>LOC</li> <li>Discontinue Pitocin (If in L/D; PP not needed)</li> </ul>	
7-10 mins			

End of Scenario (When objectives met? At specified time period)			<ul style="list-style-type: none"> <li>• “What happened?”</li> <li>• “Is my baby ok?”</li> </ul>
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SP role description	
Name and Role in scenario (Patient? Family member?)	
Brief Scenario Summary	
Patient location	
History pertinent to simulation	
Mental State/Demeanor	

Questions/comments SP may verbalize during scenario

SP Observations

How does the staff communicate with you and with each other?

### DEBRIEFING GUIDE

With Video

Without Video

Debriefing/Guided Reflection Questions:

1. How did you feel throughout the simulation experience
2. Tell me what went well.
3. Let's review the objectives and discuss whether we were successful or not

General learning outcome(s)		4. If you were able to repeat the
Appropriate nursing care of OB HTN pt		
Scenario Specific Outcomes *Copy from page 2 of this form*		
<p><b>Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Your patient had a seizure, tell me about that?</li> <li>2. How did you feel during the seizure? Comfortable/questions/need more practice?</li> <li>3. Tell me about your process after the patient has a seizure.</li> </ol>		

scenario, what would you do differently?

5. What GAPS did you identify in your own knowledge base and/or preparation for the simulation experience?
6. Talk about how you will transfer what is learned during this experience to your work setting.
7. Is there anything else you would like to discuss?

**Evaluation Tools**  
 \*Attach to this page the evaluation tools (surveys, tests) that you plan to use\*

**References**  
 \*List references for your educational content\*

ahrq.gov. (2017, August). *TeamSTEPPS 2.0 Team Strategies and Tools to Enhance Performance and Patient Safety*. Retrieved from <https://www.ahrq.gov/sites/default/files/wysiwyg/professionals/education/curriculum-tools/teamstepps/instructor/essentials/pocketguide.pdf>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3119563/>



Charge RN/person who answers vocera to help

<b>Actions</b>	<b>Statements</b>
RN calls via vocera for help	Hello, _____. What is going on?
My patient is seizing	Comes to bedside. What can I do to help?
	Cues to RN (after a few seconds) Let's turn her on her side. ( the primary RN as not done this) Have we called the MD yet? Let me call someone to page the MD?
Seizure is complete	Let's put her back on her back with a wedge. We should take a set of Vital signs.

## SIMULATION SCENARIO DESIGN WORKSHEET

Today's Date:	Name of Scenario Author: Email: Phone:
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### GENERAL SCENARIO INFORMATION

<b>Est. Pre-briefing Time:</b>	<b>Est. Scenario Time:</b>	<b>Est. Debriefing Time:</b>	<b>Course #:</b>
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**Title of Scenario:**  
 D. Hypertension with magnesium drip

**Brief Description:**  
 39.2 W HTN, induction for labor. Placed in labor room at 0600. Consents signed and patient placed on monitor. 2 elevated blood pressures above call orders. RN will continue to assess patient. Patient seizes. Magnesium ordered by MD.

**Setting of Sim:** L/D room

**Facilitators:**

<b>Dates of Sims:</b>	<b>Pilot Date :</b> 12/17/19 1/9/20
-----------------------	---

**Type of Simulation (check all that apply) :**  Task Trainer  Mannequin  Actor/SP

Scenario recording requested <input type="checkbox"/> Yes <input type="checkbox"/> no	Classroom needed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	Debriefing Room needed <input type="checkbox"/> Yes <input type="checkbox"/> no
--	---	--

### PARTICIPANT INFORMATION

Disciplines:	Total Number:	Number per Sim:
RNs		2-4
MDs		
RTs		
Pharmacists		
CSTs		
Other		

## LEARNING OUTCOMES

*\*Team STEPPS® competencies (leadership, mutual support, situation monitoring, communication) are to be incorporated into every simulation to promote patient safety (ahrq.gov, 2017)*

### General Learning Outcomes (to be disclosed to participants)

Appropriate nursing care of OB HTN pt

### Scenario Specific Outcomes (for facilitator only)

#### Objectives:

1. Learner will be able to utilize SBAR to MD.
2. Learner will be able to place Magnesium order.
3. Learner will be able to start a magnesium infusion.
4. Learner will state intake maximum per hour while on magnesium.
5. Learner will be able to state management of magnesium.
6. Learner will be able to perform appropriate patient assessments while on magnesium.

#### Expected cognitive skills to be demonstrated by participant:

- Plan• Discusses use of Magnesium Sulfate for pre-eclamptic patient during antepartum/intrapartum management, including double checks, assessments, and precautions.
- Implement Identify precautions used for hypertensive disorders (seizure precautions, timing of checks, decrease environmental stimuli, etc). Discusses seizure precautions and decreased environmental stimuli (low lights, quiet environment, and padded side rails).
- Evaluate Understands warning signs of a hypertensive disorder. Discusses elevated lab values for hypertensive disorders in pregnancy.
- Document Discuss the appropriate documentation guidelines.

#### Expected psychomotor skills to be demonstrated by participant:

- Performs proper assessment of hypertensive patient.
- Recognizes signs and symptoms, lab values, and vital signs associated with hypertensive disorder.
- Performs neuro assessment, including level of consciousness, DTRs, presence of visual disturbance, headache, and epigastric pain.
- Minimizes stimulation (low lighting and noise levels, minimize visitors, anchor foley catheter (as indicated), or offer bedside commode/bedpan if ordered; while on Magnesium infusion.
- Identifies signs and symptoms of changes in mental status related to disease process and/or Magnesium administration (confusion, agitation, irritability, somnolence, diminished DTRs).

#### Expected affective skills to be demonstrated by participant:

- Demonstrates assessment of patient and notifies physician using SBAR.
- Documents assessments and practices appropriately in the EMR.
- Commits to providing patient comfort and safety.

## PRE-BRIEFING INFORMATION

Pre-requisite Knowledge/Reading/Testing (provide references on last page):

POEP:

## Module 8 Complications of Pregnancy, Part 2

CBT:

FHCI Hypertensive Disorders in Pregnancy

Policy:

Hypertensive Disorder in Pregnancy

Critical Element:

Magnesium Sulfate

*NOTE TO FACILIATORS: Prior to beginning the simulation, participants must be oriented to simulator and/or setting, understand guidelines and expectations for their scenario(s), have completed all pre-work, and understand their assigned roles.*

**Pre-Briefing Report to Participants**

S

<b>PATIENT</b>	Tonya	<b>AGE/SEX</b>	32 yr old	<b>ADMISSION WEIGHT</b>	
<b>PRIMARY MD</b>	Triplett and/or Fam. Med MD		<b>PROCEDURE</b>		
<b>CONSULTS</b>	Rapid/ACLS trained provider/Anesthesia		<b>CODE STATUS</b>	Full	
<b>DX</b>	HTN in pregnancy		<b>PASSWORD</b>		
<b>CURRENT PROBLEM</b>	Elevated blood pressures in pregnancy, induction		<b>NEXT OF KIN</b>	Husband: Matt	
				<b>DIET</b>	NPO

B

<b>HX</b>	39.2 weeks gestation Induction of labor Chronic Hypertension- not on medications				
<b>ALLERGIES</b>	NKDA				
<b>MEDICATIONS</b>	PNV				
<b>SAFETY/PRECAUTIONS</b>	none				
<b>RESTRAINTS</b>	none				

A

<b>CURRENT CONDITION</b>		<input type="checkbox"/> VENT	<input type="checkbox"/> ETT	<b>SIZE</b>		<b>LOCATION</b>	
<b>SKIN</b>		<b>PAIN</b>	0 /10	<b>MODE</b>		<b>RATE</b>	<input type="checkbox"/> PEEP
<b>CARDIO/RHYTHM/PULSES</b>		<b>FIO2</b>		<input type="checkbox"/> PS		<input type="checkbox"/> NC	<input type="checkbox"/> CPAP/BIPAP
<b>RESP</b>	Clear lung sounds		<input checked="" type="checkbox"/> IV LINES				
<b>NEURO</b>	A/Ox3, DTRs normal at this time		<input type="checkbox"/> PICC/CVL		<input type="checkbox"/> ART		
<b>GI/GU</b>	BM	<b>VOID</b>		<input checked="" type="checkbox"/> MIVF	LR		
	<input type="checkbox"/> FOLEY		<input type="checkbox"/> DRIPS				
<b>TUBES</b>	<input type="checkbox"/> NG/OG	<input type="checkbox"/> JP	<input type="checkbox"/> CT				
<b>I/O</b>							
<b>VITALS</b>							
<b>ACTIVITY</b>	Up ad lib						

R

<b>SUGGESTIONS/RECOMMENDATIONS/REQUESTS TO MD/NURSE</b>	
Call MD for orders	
<b>ORDERS</b>	Admit to inpatient. Full Code. Activity as tolerated Vital signs, routine

	Pain assessment, routine Intake and output, routine Diet Clear liquid Insert peripheral IV CBC with dif STAT Hold Specimen-blood bank STAT UDS STAT LR 125ml/hr
<b>ANTICIPATED CHANGES OR OTHER ISSUES</b>	
<b>PENDING LABS</b>	

<b>SET UP/RESOURCES</b> (for simulation center staff)		
Simulation Setting		
<input type="checkbox"/> ER <input type="checkbox"/> Med-Surg <input type="checkbox"/> Pediatrics <input type="checkbox"/> ICU <input type="checkbox"/> OR / PACU	<input checked="" type="checkbox"/> Women's & Children's <input type="checkbox"/> Behavioral Health <input type="checkbox"/> Home Health <input type="checkbox"/> Pre-Hospital <input type="checkbox"/> Doctor's office/clinic (table, chairs and exam table) <input type="checkbox"/> Other:	
Time of Day: morning		
Is the patient a mannequin or a Standardized Patient (SP)? mannequin		
Appearance of Mannequin		
Clothing gown	Moulage	Incisions/Dressings
Appearance of Actor/SP		
Clothing	Moulage	Incisions/Dressings
Monitor Waveform Setup		
EKG/HR <input type="checkbox"/>	RR <input type="checkbox"/>	O2 Sat <input type="checkbox"/>
BP <input type="checkbox"/>	Arterial Line <input type="checkbox"/>	PAP <input type="checkbox"/>
ETCO2 <input type="checkbox"/>	Other:	
Equipment attached to patient		
ECG Monitor <input type="checkbox"/>	BP Cuff <input checked="" type="checkbox"/>	Arterial/PA lines <input type="checkbox"/>
Oxygen Sat Probe <input checked="" type="checkbox"/>	NG tube <input type="checkbox"/>	Foley <input type="checkbox"/> Urine Color:
Chest Tube <input type="checkbox"/>	Vent <input type="checkbox"/>	IV line <input checked="" type="checkbox"/>

ID Band/MRN <input checked="" type="checkbox"/>	Allergy Band <input checked="" type="checkbox"/>	IO <input type="checkbox"/>	SCDs <input type="checkbox"/>
Fall Blanket/Footies <input checked="" type="checkbox"/>	Other: fetal monitor		
IV Type			
PIV <input checked="" type="checkbox"/>	Saline Lock <input type="checkbox"/>	Central Line <input type="checkbox"/>	
PICC <input type="checkbox"/>	UVC/UAC <input type="checkbox"/>		
IV Fluids/Rate			
NS	D5	D10	
<b>LR running @ 125</b>	Other:		
Rate of Fluids:			
Medications (to be retrieved from Pyxis)			
PO	IVP	IVPB	
	1. Mag 1000 ml bag 2. Ca Gluconate syringe		
Medication Equipment Available in the Room			
IV Pump <input checked="" type="checkbox"/>	Number of channels 2	IV Pump Tubing <input checked="" type="checkbox"/>	
IV Piggyback tubing <input type="checkbox"/>	IV gravity tubing <input type="checkbox"/>	Extra IV tubing <input checked="" type="checkbox"/>	
Syringes/#/Size	Needles/#/size	Med cart/Pyxis Pyxis needs to have Mag and Ca Gluconate	
IV start supplies/angio gauge	Art Line <input type="checkbox"/>	PA Catheter <input type="checkbox"/>	
Pressure bag <input checked="" type="checkbox"/>	Syringe pump <input type="checkbox"/>	Syringe pump tubing <input type="checkbox"/>	
IO <input type="checkbox"/>	Umbilical Line <input type="checkbox"/>	Other	
Cardiac Equipment Available in the room			
12 lead ECG machine <input type="checkbox"/>	Code Cart <input type="checkbox"/>	Defibrillator <input type="checkbox"/>	
Temp Pacemaker <input type="checkbox"/>	Telemetry Pack <input type="checkbox"/>	AED <input type="checkbox"/>	
Respiratory Equipment Available in the room			
Nasal cannula <input checked="" type="checkbox"/>	Simple Facemask <input type="checkbox"/>	Venturi Mask <input type="checkbox"/>	
Non-rebreather <input checked="" type="checkbox"/>	IS <input type="checkbox"/>	Trach <input type="checkbox"/>	
BiPAP/CPAP <input type="checkbox"/>	Vent <input type="checkbox"/>	Suction <input type="checkbox"/>	
Suction cath/#/size	Intubation box <input type="checkbox"/>	Other	
GI Equipment Available in the room			
NG/OG <input type="checkbox"/>	G tube <input type="checkbox"/>	Feeding pump <input type="checkbox"/>	
Feeding bag <input type="checkbox"/>	Dining tray <input type="checkbox"/>	Other:	
GU Equipment Available in the room			

Foley <input checked="" type="checkbox"/>	Condom catheter <input type="checkbox"/>	SP catheter <input type="checkbox"/>
Urinal <input type="checkbox"/>	Bedpan <input checked="" type="checkbox"/>	Other:
Other Supplies		
TED hose <input type="checkbox"/>	SCDs <input checked="" type="checkbox"/>	Dressing Supplies <input type="checkbox"/>
Venipuncture <input type="checkbox"/>	Blood tubes <input type="checkbox"/>	Culture tubes <input type="checkbox"/>
Thermometer <input checked="" type="checkbox"/>	Pen light <input type="checkbox"/>	Fall blanket/footies <input type="checkbox"/>
Any additional set up notes for sim staff: stethoscope, reflex hammer		



**Scenario Progression Storyboard**

**Patient Initial State** (5 minutes since post-ictal)

Patient laying in bed and awake. Patient unaware of what happened. RN to explain what happened. RN awaiting MD to call to give SBAR.

FHR 130 minimal variability      HR: 100      BP: 165/95 SpO2: 98 Resp: 20

MD calls via Vocera. Orders for Magnesium given.

RN places order in patient's EMR and retrieves medication

RN starts bolus without cosigner

Magnesium to be started with a cosigner.

RN does nothing

**End Scenario**

RN does not take VS or assessment

Take VS and perform modified assessment.

Take VS and perform modified assessment.

**End Scenario**

**Declining State**

FHR: 135, minimal variability  
HR: 90      BP: 165/94      SpO2: 98  
Resp: 20      Temp 98.6F

**End Scenario**

### Progression Outline

Timing	Patient verbal and/or non-verbal communication	Participant expected behaviors/interventions	Patient Response (potential cues for participant if needed?)
Beginning (0-2 mins)	<ul style="list-style-type: none"> <li>Dazed, confused</li> </ul>	<ul style="list-style-type: none"> <li>RN to give SBAR report to MD.</li> <li>Inform MD to VS, seizure and patient's current status.</li> <li>Order for Magnesium</li> </ul>	<ul style="list-style-type: none"> <li>What happened?</li> <li>Is my baby ok?</li> <li>Am I ok?</li> </ul>
2-5 mins	<ul style="list-style-type: none"> <li>Nervous, confused, questioning</li> </ul>	<ul style="list-style-type: none"> <li>RN explains order to patient and answers questions.</li> <li>RN places order in patient's EMR.</li> <li>RN receives medication and other materials (ie. pads for rails, labels for tubing)</li> </ul>	<ul style="list-style-type: none"> <li>Will this hurt?</li> <li>Will this affect my baby?</li> <li>What will it do to me?</li> </ul>
5-7 mins	<ul style="list-style-type: none"> <li>Nervous, questioning</li> </ul>	<ul style="list-style-type: none"> <li>RN uses EPIC and pump to program dose of medication</li> <li>A bolus is given and then a continuous rate.</li> <li>LR at 75ml/hr</li> <li>Mag after bolus at 50ml/hr</li> <li>Stay at bedside during bolus</li> <li>VS should be taken once the infusion is</li> </ul>	<ul style="list-style-type: none"> <li>What are these for (pads for rails)?</li> <li>Can I still use the restroom?</li> </ul>

		<p>started and every 15 minutes x 1 hr.</p> <ul style="list-style-type: none"> <li>• RN performs a modified H-to-T assessment (DTRs, Heart and lung sounds, reflexes, HA, blurry vision, epigastric pain.)</li> </ul>	
7-10 mins			
End of Scenario (When objectives met? At specified time period)		<ul style="list-style-type: none"> <li>• RN explains how often blood pressures to be taken (15 min x1 hr, 30 min x1 hr, 1 hr until infusion complete).</li> <li>• RN explains that modified assessments are completed as well.</li> </ul>	<ul style="list-style-type: none"> <li>• How often do you have to take my blood pressure?</li> </ul>

**SP role description**

Name and Role in scenario  
(Patient? Family member?)

Brief Scenario Summary	
Patient location	
History pertinent to simulation	
Mental State/Demeanor	
Questions/comments SP may verbalize during scenario	
SP Observations	How does the staff communicate with you and with each other?

**DEBRIEFING GUIDE**

With Video

Without Video

Debriefing/Guided Reflection Questions:

1. How did you feel throughout the simulation experience
2. Tell me what went well.
3. Let's review the objectives and discuss whether we were successful or not

General learning outcome(s)		
Appropriate nursing care of OB HTN pt	4. If you were able to repeat the	
Scenario Specific Outcomes *Copy from page 2 of this form*		
<p><b>Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Tell me about your SBAR with the physician. How did you feel/concerns/questions?</li> <li>2. Your physician ordered Magnesium, tell me about placing that order. Comfortable/more practice/concerns?</li> <li>3. Tell me about your experience with starting the infusion.</li> <li>4. Tell me about the process after the infusion is started, what do you do next and following.</li> </ol>		

scenario, what would you do differently?

5. What GAPS did you identify in your own knowledge base and/or preparation for the simulation experience?
6. Talk about how you will transfer what is learned during this experience to your work setting.
7. Is there anything else you would like to discuss?

## Evaluation Tools

\*Attach to this page the evaluation tools (surveys, tests) that you plan to use\*

**References****\*List references for your educational content\***

ahrq.gov. (2017, August). *TeamSTEPPS 2.0 Team Strategies and Tools to Enhance Performance and Patient Safety*. Retrieved from <https://www.ahrq.gov/sites/default/files/wysiwyg/professionals/education/curriculum-tools/teamstepps/instructor/essentials/pocketguide.pdf>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3119563/>

## MD speaking parts

Actions	Statements
SBAR called to MD	Hello, _____. What is going on? Yes, that is my patient.
If RN does not state info on seizure:	How is she now? How long did the seizure last? Do you know what triggered it?
After answers seizure	Any signs and symptoms now? How is her DTRs? Blurry vision? Headache? Epigastric pain? What are her current vital signs?
RN answers	Start Magnesium Sulfate infusion. 6gm bolus and then 2g/hr



## Charge RN or RN help speaking parts

Actions	Statements
Can you come help sign off on Magnesium? Dr. _____ gave orders to bolus and start?	RN at bedside. What can I help you with? How did you program the pump? Did you do a bolus?
After bolus started:	Do you need any more help?
Bedside RN says no.	Okay. Did you set your vital signs to go off? Have you done your checks? Did the MD give orders for a foley or what can she use?  If you need any help let me know.