

Firelands Regional Medical Center School of Nursing

Online Laboratory Document

Fall 2024

Please complete the following questions based on information given in the Lessons MCN Week 1 Lab tab. Submit to the MCN Online Lab Dropbox by **Wednesday at 0800**. Bring a copy of this document to lab on Wednesday to receive the answers.

Women's Health Questions

Online lab activity: Breast Self-Exam

Objectives: 1, 4, 5, 6

<https://www.youtube.com/watch?v=nkPR4ar1EQ4&t=19s>

Please follow the link. Watch the video and follow the steps on how to conduct a breast self-exam then answer the following questions:

1. What is a breast self-exam? **An exam women can perform on themselves to ensure there are no abnormal lumps present, the presence of the lumps should be reported to an HCP.**
2. What position(s) should the client be in while performing a self-exam? **Lying down or standing/sitting up in front of a mirror.**
3. What are two methods for palpating the breast tissue? **Look and feel in a circulating motion or up and down.**
4. What would the lump feel like compared to a lymph node? **A lump may feel hard or irregular and may feel tender, they may feel smaller like a pea or a marble.**
5. How often should your client do a self-exam? **Clients should do a self-exam at least every month at the same time.**

6. When should the client notify their healthcare provider about their self-exam? **If they notice any irregular lumps or masses, have a change in pain or tenderness, or even if the look of their breasts change.**

Pregnancy History Questions

Activity 1:

Laura is scheduled for her first prenatal visit today. She is 12 weeks gestation. She is a primigravida. What would her GTPAL be?

G 1 T 0 P 0 A 0 L 0

Her last menstrual period (LMP) was known to be November 7. According to Nagele's Rule what is her estimated date of delivery (EDD)? **August 14th**

The Fetal Heart Rate (FHR) is found using a hand-held Doppler. The FHR is 145. Is this a normal or abnormal finding (circle one answer)? Do you anticipate a potential intervention to be performed (circle one answer)?

Heart Rate Finding- **Normal**/Abnormal

Intervention- Yes/**No**

Activity 2:

Katie is scheduled for a prenatal visit today. She is 25 weeks gestation today. She has had three previous pregnancies, one preterm-living and well, one term-living and well, and one spontaneous abortion at six weeks gestation. What is her GTPAL?

G 4 T 1 P 1 A 1 L 2

Her LMP was last known to be January 12. According to Nagele's Rule, what is her EDD? **November 19th**

FHR is found with the hand-held Doppler. The FHR is 175. Is this a normal or abnormal finding (circle one answer)? Do you anticipate a potential intervention to be performed (circle one answer)?

Heart Rate Finding- Normal/**Abnormal**

Intervention- **Yes**/No

Activity 3:

Anna is scheduled for a prenatal visit today. She is 30 weeks gestation today. She has had four previous pregnancies, two preterm-living and well, two term-living and well, and no spontaneous abortion at six weeks gestation. What is her GTPAL?

G 5 T 2 P 2 A 0 L 4

Her LMP was last known to be December 13. According to Nagele's Rule, what is her EDD? **September 20th**

FHR is found with the hand-held Doppler. The FHR is 110. Is this a normal or abnormal finding (circle one answer)? Do you anticipate a potential intervention to be performed (circle one answer)?

Heart Rate Finding- **Normal**/Abnormal

Intervention- Yes/**No**

Activity 4:

Sara is scheduled for a prenatal visit today. She is 36 weeks gestation today. She has had five previous pregnancies, one preterm-living and well, two term-living and well, and two spontaneous abortion at six weeks gestation and 12 weeks gestation. What is her GTPAL?

G 6 T 2 P 1 A 2 L 3

Her LMP was last known to be June 28. According to Nagele's Rule, what is her EDD? **April 4th**

FHR is found with the hand-held Doppler. The FHR is 95. Is this a normal or abnormal finding (circle one answer)? Do you anticipate a potential intervention to be performed (circle one answer)?

Heart Rate Finding- Normal/**Abnormal**

Intervention- **Yes**/No

Activity 5:

Emily is scheduled for a prenatal visit today. She is 18 weeks gestation today. She has had one previous pregnancy, no preterm, one term-living and well, and no spontaneous abortions. What is her GTPAL?

G 2 T 1 P 0 A 0 L 1

Her LMP was last known to be August 5. According to Nagele's Rule, what is her EDD? **May 12th**

FHR is found with the hand-held Doppler. The FHR is 130. Is this a normal or abnormal finding (circle one answer)? Do you anticipate a potential intervention to be performed (circle one answer)?

Heart Rate Finding- **Normal**/Abnormal

Intervention- Yes/**No**

Activity 6:

Debra is scheduled for a prenatal visit today. She is 29 weeks gestation today. She has had eight previous pregnancies, three preterm-living and well, two term-living and well, and three spontaneous abortions at six, eight, and 12 weeks gestation. What is her GTPAL?

G 9 T 2 P 3 A 3 L 5

Her LMP was last known to be April 20. According to Nagele's Rule, what is her EDD? **January 7th**

FHR is found with the hand-held Doppler. The FHR is 160. Is this a normal or abnormal finding (circle one answer)? Do you anticipate a potential intervention to be performed (circle one answer)?

Heart Rate Finding- **Normal**/Abnormal

Intervention- Yes/**No**

Newborn Assessment of Fetal Well-Being (APGAR)

Directions: Review the information provided and answer the questions.

Activity 1:

Baby A. was born at 38 weeks gestation after 16 hours of normal labor and delivery. He was a ruddy pink in the head and chest, dusky hands and feet, active, and crying loudly with a respiratory rate of 50 and a heart rate of 160. Determine the APGAR Score with the information provided.

Heart Rate: **2**

Respiratory Effort: **2**

Muscle Tone: **2**

Reflex Irritability: **2**

Skin Color: **2**

Score: 10

Activity 2:

Baby B. was born at 36 weeks gestation after 8 hours of normal labor and delivery. The baby's arms and legs are dusky with head and chest pink and baby has a weak cry. Arms and legs are flexed some but moving. Respiratory effort was slow to start but after suctioning the baby cried. The respiratory rate is now 60 and the heart rate is 150. Determine the APGAR Score with the information provided.

Heart Rate: **2**

Respiratory Effort: **1**

Muscle Tone: **1**

Reflex Irritability: **1**

Skin Color: **1**

Score: 6

Activity 3:

Baby C. was born at 28 weeks gestation after the mother's water broke at home. A normal labor and delivery is noted. Baby's arms and legs are limp, and there is a weak cry. The baby's arms and legs are noted to be dusky in color, chest and head are pink. The respiratory rate is 20 and the heart rate is 80. Determine the APGAR Score with the information provided.

Heart Rate: 1

Respiratory Effort: 1

Muscle Tone: 0

Reflex Irritability: 1

Skin Color: 1

Score: 4

Activity 4:

Baby D. was born at 34 weeks gestation by and uneventful spontaneous, normal vaginal delivery. The baby's arms and legs are flexed, the baby is grimacing, and the baby has dusky arms and legs with chest and head pink in color. The respiratory rate is 45 and the heart rate is 170. Determine the APGAR Score with the information provided.

Heart Rate: 2

Respiratory Effort: 1

Muscle Tone: 2

Reflex Irritability: 1

Skin Color: 1

Score: 7

Postpartum and Newborn Discharge Education Lab Questions

POSTPARTUM (pg. 216-222 in text may be helpful)

1. You are preparing discharge instructions for Stella and Leopold. As the primary nurse, what vaccines would you recommend Stella's family and friends receive to keep Leopold healthy
 - A. MMR
 - B. Tdap
 - C. Hep B
 - D. Meningitis
2. Stella states she is having pain 6/10 in her perineal area. What medication would be recommended for her pain?
 - A. Vicodin
 - B. Dilaudid
 - C. Ibuprofen
 - D. Percocet

3. After giving Stella her discharge instructions, you help her go through her room to gather items she has been using during her stay that she can also use at home. What items would you collect and send? (Select all that Apply)
- A. Periwash bottle
 - B. Tampons
 - C. Pamphlet on sedentary lifestyle
 - D. Anesthetic spray
 - E. Small bottle of hand sanitizer
 - F. Pamphlet on birth control after delivery
 - G. Medication order for loperamide
 - H. Water container
4. As you are going through the discharge instructions for Stella, she asks when would be appropriate to call her healthcare provider. You advise her that she should notify the healthcare provider if which of the following occurs?
- A. Temperature 37.5°C
 - B. Increased vaginal bleeding
 - C. Passing dime sized clots
 - D. Increased abdominal pain
 - E. Increased discharge from incisions (c/section or episiotomy)
 - F. Foul smelling lochia

NURSERY (pg. 263-267 in text can help)

1. In preparing to discharge Leopold home with Stella, which statement made by Stella requires further investigation by the nurse?
- A. "The car seat faces the trunk."
 - B. "Leopold is using my nephew's old car seat."
 - C. "I need to sleep when he sleeps."
 - D. "I need to keep his head covered."
2. In teaching Stella about umbilical cord care, you know she understands education when she makes which statement?
- A. "I can put him in the shower with me."
 - B. "I need to sponge bath him until the cord falls off."
 - C. "I can put antimicrobial cream all over the cord until it falls off."
 - D. "I can dry the cord after a bath with the hairdryer as long as its on the lowest setting."
3. In teaching Stella about circumcision care, which of the following would be included? (Select all that apply)
- A. Notify HCP if baby has not urinated.
 - B. Notify HCP if baby temp is greater than 37.8 axillary.
 - C. Notify HCP if there is discoloration of the penis.
 - D. Notify the doctor if the "yellow crust" is not able to be washed off.
 - E. Notify the HCP if there is a blood spot in the diaper larger than 2".

B	Cephalohematoma	It is a hemorrhage of blood between the skull and periosteum. Surgery may be used to remove/ drain excess blood.
C	Erythema Toxicum	Harmless rash that appears on many newborns. No interventions necessary, typically disappears on its own.
D	Port Wine Stain	Flat, pink/red birthmark that appears on the skin due to swollen blood vessels. Laser therapy is the only intervention done for these birthmarks.
E	Salmon Patch	Common birthmark that appears on newborn's skin. No interventions typically done, may go away on own.
F	Mongolian Spots	Benign birthmarks that appear at birth, may appear as blue, gray, or purple. No interventions, can go away on its own.
G	Epstein's Pearls	Small cysts that appear on the gums or roof of the mouth in newborns. No specific interventions, goes away on its own and is temporary.
H	Macroglossia	An enlarged tongue. Interventions such as speech therapy and orthodontic treatment.
I	Palmar Crease	A single line that runs across the palm of the hand. Interventions include a skin graft or palmar creases-plasty.
J	Neonatal Teeth	Teeth which erupt during the first month of a newborn's life. No interventions typically necessary.

Thermoregulation Questions

Directions: Review the information provided and answer the questions.

Mini Case Scenario:

Baby Latashia's mom is a 17-year-old who arrived at the emergency room with c/o abdominal pain. This is her first pregnancy, and she did not receive any prenatal care. Latashia was born early by normal spontaneous vaginal delivery (NSVD) at 36 weeks gestation. She weighed 4.8 pounds and was 17 inches long.

1. When educating Latashia's mother about hypothermia, what information would you include about risk factors of hypothermia in her newborn? **Decreased subcutaneous fat, altered skin blood-flow, immature skin, poorly developed metabolic mechanism.**
2. What signs and symptoms of hypothermia should Latashia's mother look for in her newborn? **Decreased weight gain, cool, mottled, or pale skin, bradycardia, decreased activity, lethargy, poor feeding, feeble cry, respiratory distress, shallow or irregular respirations.**
3. List the 4 methods of heat loss and how they can occur in the newborn. **Evaporation: occurs when the amniotic fluid evaporates from the newborn's skin. Conduction: occurs when the newborn is placed naked on a cooler surface. Convection: occurs when the newborn is exposed to cool surrounding air or an air draft. Radiation: occurs when the newborn is near cool objects, walls, tables, cabinets, without being in direct contact with them.**
4. What are the hazards of hypothermia? **Some hazards include increased oxygen consumption, risk of hypoxia, cardiorespiratory complications and acidosis, risk for hypoglycemia, neurological complications, hyperbilirubinemia, clotting disorders, and even death.**

5. What are some interventions the nurse can implement to help prevent hypothermia in the newborn? Use of overhead heaters, heated mattresses, incubators, and low reading thermometers to keep track of body temperature. The use of skin-to-skin contact, breastfeeding, postpone weighing and bathing, and appropriate clothing and use of a blanket.

Newborn Circumcision Care Questions

Directions: Review the information provided and answer the questions.

1. What care is provided to the penis after circumcision? Apply Vaseline to prevent from sticking to the diaper, clean the area with warm moist cloth, document the first void after procedure, change Vaseline gauze with each diaper change.
2. What education should be provided to parents about what to expect post circumcision? It may become swollen and red around the 3rd or 4th day, and this is normal. It may also get a yellow film around it, which is part of a scabbing process, this is normal as well. If the baby has an excessive amount of bleeding report it to the HCP immediately if it does not stop after applying pressure. Apply the diaper loosely and change it immediately after the baby voids.

Infant Swaddling

1. Review video and handout online and be prepared to practice swaddling during lab.

Newborn Bath

1. Review video online and be prepared to practice bathing a newborn during lab.

Pediatric Pain Scale Questions

Please use the **NIPS pain scale** to determine the pain level and management options for the following patients.

Rose was delivered 16 hours ago. She is relaxed and is resting quietly in bed, sleeping for the past hour. Extremities are relaxed X four. Heart rate is within 10% of baseline and O2 saturation is 97% on room air.

According to the NIPS pain scale, what is Rose's pain level? **0/10**

What would our pain management options be for Rose? **Use of nonpharmacologic interventions such as the use of a pacifier, swaddling, and comfort measures.**

Using Rose's assessment, what would she score using the CRIES pain scale? **1/10**

Bobby is a one-day-old infant. He is vigorously crying and intermittently holding his breath. All four extremities are tense and rigid. He is fussy and restless in his crib. His heart rate is 15% above baseline and he receiving 0.5L O2 via cannula to maintain O2 saturation above 95%.

According to the NIPS pain scale, what is Bobby's pain level? **8/10**

What would our pain management options be at this level? **Pharmacologic interventions such as a narcotic drip or narcotic intermittent bolus.**

Name 7 physiological effects of pain:

1. **Tachycardia**
2. **Temperature changes**
3. **Hypoxemia**
4. **Pallor, flushing**
5. **Abnormal respirations**
6. **Increased oxygen consumption**
7. **Blood pressure changes**

Name 5 things we can do to prevent or minimize pain:

1. **Reduce number of needle punctures**
2. **Avoid invasive monitoring when possible.**
3. **Use minimal amount of tape and remove it gently.**
4. **Ensure proper premedication before invasive procedures.**
5. **Select most competent staff to perform invasive procedures.**