



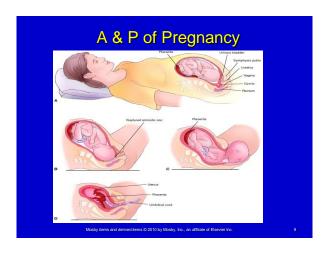
Ocervix Neck of uterus—lower portion where it enters vagina Contains mucous plug that acts as barrier between uterus and vaginal opening during pregnancy Once labor begins—mucous plug will separate and discharge from vagina—sometimes termed bloody show Vaginal/birth canal Sheath that encloses lower portion of uterus and extends down to vaginal opening





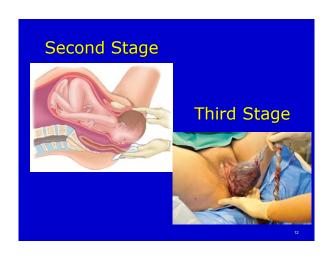
Anatomy and Physiology of Pregnancy Amniotic sac Fluid-filled sac that surrounds fetus during pregnancy Helps protect developing fetus Rupture of the membranes Amniotic sac will typically rupture before delivery of the fetus Some mothers refer to this as "My water has broken"

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Delivery

- First decide
 - > Will you need to deliver baby at scene?
 - ▶ Is there enough time for mother to reach hospital
- As birth nears:
 - Contractions last longer (up to 90 seconds) and become more intense
 - > Shorter interval of time between contractions

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Delivery

- Indicators to help determine if delivery is imminent
 - > Ask questions
 - Are you bleeding or having other kinds of vaginal discharge (bloody show)?
 - Do you feel like you need to have a bowel movement?
 - Do you feel increasing pressure in your vaginal area?
 - · What is your due date?
 - Is there any chance of a multiple birth?
 - Is this your first pregnancy?
 - How long have you been having contractions?
 - · How far apart are your contractions?
 - Has your water broken?

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Delivery

- Indicators to help determine if delivery is imminent
 - If mother states any of the following, consider performing a visual inspection
 - Needs to push
 - Needs to have a bowel movement
 - Has bloody show
 - Amniotic sac has ruptured

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Delivery

- Visual inspection
 - Have patient lie on back
 - Elevate hips with padding
 - > Knees should be bent and feet flat on floor
 - Knees should be spread apart
 - > Protect patient's modesty and privacy
 - > Check for crowning during contraction

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Delivery

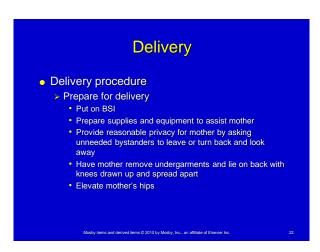
- Breech birth (limb presentation)
 - > Occurs when baby's head is not presenting part
 - Complicated delivery
 - > Be sure EMS has been called
 - > If birth is not imminent
 - Provide emotional support
 - Call for help
 - Continue to monitor mother while waiting for EMS
 - Position mother on left side

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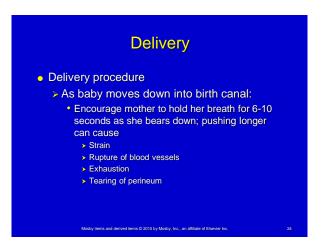
Delivery Breech birth (limb presentation) If birth is not imminent Provide emotional support Call for help Continue to monitor mother while waiting for EMS Position mother on left side







Delivery procedure As baby moves down into birth canal: Mother's urge to push will be very strong Remind her not to arch her back Have her tuck her chin to chest, grab behind her knees, and curl body forward



Skill 13-1: Normal Delivery

Prepare for delivery



 As the infant's head appears, place the palm of your hand on top of baby's head



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Skill 13-1: Normal Delivery

 Support baby's head and check baby's neck for presence of umbilical cord



 Support infant's head as it rotates



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Skill 13-1: Normal Delivery

- Guide infant's head downward to deliver anterior shoulder
- Guide infant's head upward to release posterior shoulder



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Skill 13-1: Normal Delivery

 Suction baby's mouth first and then baby's nostrils two or three times with bulb syringe



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Skill 13-1: Normal Delivery

- If you do not have a bulb syringe, the mouth and then nose should be wiped with a gauze pad
- Support and assist in delivery of infant's shoulders—rest of baby will be born very quickly
- Once infant is delivered keep the infant at or around level of vagina until umbilical cord has been cut

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Skill 13-1: Normal Delivery

- When umbilical cord stops pulsating—tie it with gauze between mother and newborn
- Wipe blood or mucus from baby's mouth and nose with sterile gauze and suction baby's mouth and nose again
- Dry and wrap baby

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Skill 13-1: Normal Delivery

- Stimulate baby to breath by rubbing its back or flicking the soles of its feet
- Position baby on side, with head slightly lower than trunk, or place baby on mother's abdomen
- Record time of delivery



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Skill 13-1: Normal Delivery

- If there is a chance of multiple births, prepare for a second delivery
- Observe for delivery of placenta—could take up to 30 minutes

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Skill 13-1: Normal Delivery

- When placenta is delivered
 - Wrap placenta and approximately % of attached umbilical cord in towel and place them in plastic bag for transport to hospital
- Place bulky pad over vaginal opening
 - Lower mother's legs
 - > Encourage mother to hold her legs together
 - > Never place anything directly in vagina

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Post-Delivery

- Postdelivery vaginal bleeding
 - Vaginal and perineal bleeding is normal during and after birth process
 - Mother's perineum tissue can tear during crowning and delivery of head causing moderate bleeding

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Post-Delivery

- Post-delivery vaginal bleeding
 - > Normal to lose 300-500 mL of blood (from inside uterus) after delivery
 - Watch for signs that bleeding is excessive
 - Anxiety
 - > Changing in level of consciousness or lethargy
 - > Rapid pulse
 - > Rapid respirations
 - > Bleeding that does not slow down or stop

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Post-Delivery

- To help control excessive postdelivery bleeding and minimize risk of shock;
 - Control bleeding by massaging lower abdomen over uterus



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Post-Delivery

- To help control excessive postdelivery bleeding and minimize risk of shock:
 - > Treat for shock
 - Provide mother with O₂
 - Maintain mother's normal body temperature by covering her with blankets
 - Encourage breast feeding
 - Stimulates contraction of uterus and may help control rate of bleeding

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Post-Delivery

- Postdelivery care of mother
 - > After mother has delivered you should:
 - Continue to monitor mother's breathing and pulse
 - Make mother comfortable and monitor her for bleeding by replacing blood-soaked sheets, blankets, and pads with clean, dry ones
 - Maintain contact with mother while awaiting her transport to hospital

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Newborn Care

- Initial care of newborn
 - During delivery–clear baby's airway
 - Once baby delivered–stimulate baby to breathe
 - Babies are bluish in appearance when first born and "pinken up" as their breathing becomes more regular

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Newborn Care

- Dry the baby
 - Dry infant completely
 - Keep infant warm by wrapping infant in dry, warm blanket
 - Cover head to reduce heat loss



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Newborn Care

- Clear airway
 - Once delivered, position infant on side with head slightly lower than body
 - Wipe mouth and then nose with gauze pad
 - Use bulb syringe to suction mouth and then nose



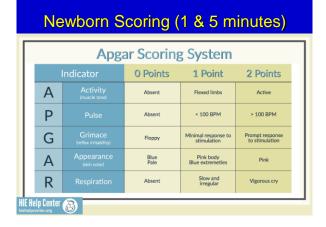
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Newborn Care

- Check for breathing
 - Provide stimulation for infant to breathe within first 30 seconds of life
 - > Once infant begins breathing:
 - Check that infant is taking >40 breaths/minute and is awake and alert
 - Crying is normal for newborns
 - If newborn does not begin to breathe or continues to have breathing difficulty:
 - Ensure an open airway
 - Provide ventilation with mouth-to-mask or bag-mask technique at a rate of 40-60 breaths/minute for approximately 30 seconds

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Complications Miscarriage/spontaneous abortion For unknown reasons, mother's body rejects developing fetus and expels products of pregnancy Usually occurs before week 20 of pregnancy Be prepared to offer comfort and psychological support in addition to physical care Signs and symptoms Bleeding Abdominal cramps or pain Passing of pregnancy and fetal tissue



