



LEARNING OBJECTIVES

Equipment Preparation

Executes equipment safety check

A: Airway (Assessment and Initial Steps)

Summarizes the 4 initial assessment questions to determine need for newborn resuscitation

Applies routine care

Explains the initial steps in newborn resuscitation

Evaluates respiration, heart rate, and color

Explains meconium as risk factor

Differentiates between "vigorous" and "not vigorous"

Explains need for bulb syringe or large-bore suctioning

Explains need for tracheal suctioning

Recalls alternative methods of clearing airway

Explains methods of maintaining normal body temperature

Explains when to use supplemental oxygen

B: Breathing (Ventilation)

Summarizes apnea or heart rate <100 beats per minute as indicators for providing positive-pressure ventilation

Applies effective positive-pressure ventilation

Evaluates the effectiveness of positive-pressure ventilation

Explains when to discontinue positive-pressure ventilation

Explains indications for endotracheal intubation

Applies correct procedure for endotracheal intubation

Summarizes primary and secondary checks for endotracheal tube placement

C: Circulation (Chest Compressions)

Explains indications for chest compressions

Applies effective chest compressions coordinated with positive-pressure ventilation

Explains when to discontinue chest compressions

D: Drug (Medications and Fluids)

Summarizes indication for epinephrine administration

Recalls routes, doses, and timeliness of epinephrine administration routes

Applies correct procedure for intravenous access of umbilical vein

Recognizes need for volume expansion

Explains correct administration of volume expander

Communication, Teamwork, and Ethics

Applies therapeutic communication with family members

Applies effective communication with resuscitation team members

Explains when to call for help

Identifies appropriate level of post resuscitation care

Explains special considerations for resuscitation outside the delivery room

Explains when to discontinue resuscitation efforts

Explains ethical principles with starting and stopping neonatal resuscitation

	An Uncomplicated Delivery	Resuscitation Involving Meconium "Vigorous"	Resuscitation Involving Meconium "Not Vigorous"	Resuscitation With Bag and Mask and Oxygen	Resuscitation With Positive-Pressure Ventilation and Chest Compressions	Resuscitation With Positive-Pressure Ventilation and Endotracheal Intubation	Resuscitation With Positive-Pressure Ventilation, Chest Compressions and Medications	Resuscitation Outside the Delivery Room	Ethics and Care at the End of Life	Megacode Basic	Megacode Advanced
Executes equipment safety check	•	•	•	•	•	•	•	•	•	•	•
Summarizes the 4 initial assessment questions to determine need for newborn resuscitation	•	•	•	•	•	•	•		•	•	•
Applies routine care	•										
Explains the initial steps in newborn resuscitation		•	•	•	•	•	•	•	•	•	•
Evaluates respiration, heart rate, and color		•	•	•	•	•	•	•	•	•	•
Explains meconium as risk factor		•	•								
Differentiates between "vigorous" and "not vigorous"		•	•								
Explains need for bulb syringe or large-bore suctioning		•									
Explains need for tracheal suctioning			•								
Recalls alternative methods of clearing airway								•			
Explains methods of maintaining normal body temperature								•			
Explains when to use supplemental oxygen			•	•	•	•	•	•	•	•	•
Summarizes apnea or heart rate <100 beats per minute as indicators for providing positive-pressure ventilation				•	•	•	•	•	•	•	•
Applies effective positive-pressure ventilation					•	•	•	•	•	•	•
Evaluates the effectiveness of positive-pressure ventilation				•	•	•	•	•	•	•	•
Explains when to discontinue positive-pressure ventilation				•	•	•	•	•		•	•
Explains indications for endotracheal intubation						•	•	•	•		•
Applies correct procedure for endotracheal intubation						•	•	•	•		•
Summarizes primary and secondary checks for endotracheal tube placement						•	•	•	•		•
Explains indications for chest compressions					•		•	•	•	•	•
Applies effective chest compressions coordinated with positive-pressure ventilation					•		•	•	•	•	•
Explains when to discontinue chest compressions					•		•	•		•	•
Summarizes indication for epinephrine administration							•	•	•		•
Recalls routes, doses, and timeliness of epinephrine administration routes							•	•	•		•
Applies correct procedure for intravenous access of umbilical vein							•		•		•
Recognizes need for volume expansion							•				•
Explains correct administration of volume expander							•				•
Applies therapeutic communication with family members	•	•	•	•	•	•	•	•	•	•	•
Applies effective communication with resuscitation team members			•	•	•	•	•	•	•	•	•
Explains when to call for help			•	•	•	•	•	•	•	•	•
Identifies appropriate level of post resuscitation care	•	•	•	•	•	•	•	•		•	•
Explains special considerations for resuscitation outside the delivery room								•			
Explains when to discontinue resuscitation efforts									•		
Explains ethical principles with starting and stopping neonatal resuscitation									•		