

Southern Illinois Regional EMS System

FF-6 NEONATAL RESUSCITATION

ALS/ILS/BLS

1. Management:
 - 1.1. Leave at least 6 inches of umbilical cord when cutting the cord on an infant in obvious distress.
 - 1.1.1. One team member should note the 1 and 5 minute APGAR scores.
 - 1.2. Rapidly warm and dry the neonate and provide tactile stimulation:
 - 1.2.1. Flicking the soles of the feet and/or rubbing the back.
 - 1.2.2. Cover the infants head to prevent heat loss.
 - 1.3. Place the newborn on their back.
 - 1.3.1. A 1 inch towel roll is helpful in maintaining a “sniffing” position for optimal airway opening.
 - 1.4. Suction the mouth and nose with a bulb syringe (mouth first):
 - 1.4.1. Deep suctioning of the oropharynx using an 8 Fr. Catheter, if indicates, should be limited to 10 seconds.
 - 1.5. Ventilate the infant between suctioning using 100% oxygen and neonatal BVM at a rate of 40-60 breaths per minute if:
 - 1.5.1. Adequate spontaneous ventilations do not begin in 30 seconds.
 - 1.5.2. Apnea or gasping respirations.
 - 1.5.3. Heart rate < 100 beats/minute.
 - 1.5.4. Persistent central cyanosis despite 100% oxygen.
 - 1.5.5. Use enough tidal volume to see the chest rise.
 - 1.5.6. Suction the nose and oropharynx periodically to remove secretions.
 - 1.6. Evaluate respiratory and heart rate:
 - 1.6.1. Begin chest compressions after 15-30 seconds of assisted ventilations if:
 - 1.6.1.1. Heart rate is < 60 beats/minute.
 - 1.6.1.2. Heart rate is between 60-80 beats/minute and not increasing with adequate ventilation using BVM and 100% oxygen.
 - 1.7. Reevaluate heart rate after 30 seconds of chest compressions:
 - 1.7.1. If heart rate is > 80 beats/minute:
 - 1.7.1.1. Discontinue chest compressions and continue to ventilate.
 - 1.7.2. If heart rate is < 80 beats/minute:
 - 1.7.2.1. Continue chest compressions.
 - 1.7.3. ALS/ILS:
 - 1.7.3.1. Intubate as able using size 0 straight laryngoscope:
 - 1.7.3.1.1. Refer to Braselow Tape.
 - 1.8. Rapid transport.
 - 1.9. ALS:
 - 1.9.1. Contact medical control.
 - 1.9.2. Epinephrine (1:10,000) 0.01mg/kg/ET:
 - 1.9.2.1. Repeat every 3 minutes if indicated.
 - 1.9.3. Do not attempt IV/IO access UNLESS specifically directed by medical control.