Delivery Room Care

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What Do We Know?
- Latest NRP Update: 7th Edition
  - Thermoregulation
  - Delayed Cord Clamping
  - Positive-Pressure Ventilation
  - Chest Compressions
  - Oxygen Management
  - Assessment of Heart Rate
  - Meconium Stained Amniotic Fluid and Suctioning

Neonatal Resuscitation Guidelines: How?
2019 ILCOR Resuscitation Update: High or Low O2?

Summary of Recommendations:
• >35 weeks: 21%
• <35 weeks: 21-30% is reasonable
• No change to 2010 and 2015 AHA guidelines
• Just say no to 100% (but titrate per oximetry)

2020 ILCOR Resuscitation Update: High or Low O2?

21% for infants >35 weeks
21-30% for infants <35 weeks (titrate to effect)

Summary of Recommendations:
• >35 weeks: 21%
• 35 weeks: 21-30% is reasonable
• No change to 2010 and 2015 AHA guidelines
• Just say no to 100% (but titrate per oximetry)
Delivery Room: MSAF and Suction

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2019 ILCOR Update: To Suction or NOT

Tracheal suctioning of meconium at birth for non-vigorous infants: a systematic review and meta-analysis (NLS #865): Systematic Review

Summary of Recommendations:
- Non-vigorous infant? No to initial suction
- (Follow normal NRP steps, suction if airway obstructed)

2019 ILCOR Resuscitation Update: To Suction or NOT

Tracheal suctioning of meconium at birth for non-vigorous infants: a systematic review and meta-analysis (NLS #865): Systematic Review

Summary of Recommendations:
- Non-vigorous infant? No to suction (unless airway obstruction —MR SOPA)
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Using PPV? Consider attaching ECG leads to assess HR.
Doing Chest Compressions? Definitely attach ECG leads.

PEA in the DR
PEA: Pulseless Electrical Activity
- No pulse on palpation
- No heartbeat on auscultation
- A rhythm (many variations) on CR monitor

NRP
- NOT crying, poor tone
- w/6/s
- Auscultate (you hear nothing) – call for help
- Start PPV
- Attach SpO2 and ECG monitor
- HR <100 (pulsatile) – MR SOPA, get an airway
- Turn up O2 to 100% and
- Start chest compressions / Epi

5 H's and 5 T's
- Hypovolemia
- Hypoxia
- Hyperkalemia
- Hypernatremia
- Hypothermia
- Thrombosis
- Tension PTX
- Tachycardia
- Tachypnea