# Pediatric Fundamental Critical Care Support
## Skill Station Equipment List

### Cardiopulmonary Dysfunction

- Airway heads that can be intubated
- Sim baby - hi fidelity ideal but not essential
- Sim junior – hi fidelity ideal but not essential
- Oral and nasopharyngeal airways
- Pediatric laryngoscope(s) and blades (1 curved and 1 straight per mannequin) PLUS any special scopes used at your institution eg CMAC/Glidescope etc.
- Syringes
- Stylets
- Magill forceps
- Resuscitation bags and masks of various sizes
- Adjunctive airway devices: tracheosophageal double-lumen airway (Combitube), laryngeal mask airway (LMA), intubating LMA
- CO\(_2\) detectors – Pedicap-type
- Intravenous solutions (isotonic crystalloids)
- Intravenous tubing for pediatric patients
- Intraosseous needle, manikin leg, right angle connector
- Adhesive tape to secure ETT, IV, IO and tube holder
- Oximeters (optional)
- Cervical collars for mannequins (optional)
- Monitor if using hi fidelity or laptop to provide virtual graphic display if available.
- Mock up Crash Cart with dummy drugs (optional)
- Suction equipment & catheters
- NG tubes of various sizes
- Broselow Tape
- Stethoscope
- Pneumo Kit: 20Ga Angiocath and 60 ml syringe
- Arterial, CVL, Chest Tube kits for demo only
- Bulb suction
- White board with erasable pens

### Mechanical Ventilation

- Ventilator (graphic display on ventilator preferred)
- Circuitrytubing with interface for testing lung (infant, pediatric, and adult circuitry required)
- Non-invasive ventilator (invasive ventilator with non-invasive mode) and High Flow Nasal Cannulas (RAM cannula) with setup for high flow oxygen.
- Test lung capable of altering resistance and compliance
- Gas source(s)/compressor to drive ventilator individually
- Extension cord
- -Stethoscope
- Ventilator handouts (included in the course administration materials) – copies for students
- Suction catheters
- Heated High Flow set up
- Pneumo Kit: See Above
- White board with erasable pens
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<th>Category</th>
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| **Pediatric Transport**                      | - Pediatric transport form and scripts and case for instructor in the classroom and for remotely located instructor (2 sets) (included in course administration materials)  
  - Two-way communication radios (optional) or cell phones   |
| **Sedation**                                 | - Sedation skill lab handout (included in the course administration materials) copies for students  
  - PCA order sheet handout (included in the course administration materials) copies for students  
  - Difficult airway algorithm handout (Appendix 8 in 3rd edition book) copies for students  
  - Laminated cards with drug names: print on 1-color background; maximum size 5 x 8 inches. (Available to print with other course material from SCCM.) |
| **Radiology/Invasive Devices**               | - Laser pointer (2 pointers)  
  - Projector  
  - Projector screen |
| **Advanced Integration Scenarios**           | - Airway heads that can be intubated  
  - Sim baby  
  - Sim junior  
  - Oral and nasopharyngeal airways  
  - Pediatric laryngoscope(s) and blades (1 curved and 1 straight per mannequin)  
  - Endotracheal tubes of assorted sizes  
  - Syringes  
  - Stylets  
  - Magill forceps  
  - Resuscitation bags and masks of various sizes  
  - Adjunctive airway devices: tracheoesophageal double-lumen airway (Combitube), laryngeal mask airway (LMA), intubating LMA  
  - CO2 detectors  
  - Intravenous solutions (isotonic crystalloids)  
  - Intravenous tubing for pediatric patients  
  - Intraosseous needle kit  
  - Adhesive tape to secure endotracheal tube or tube holder  
  - Oximeters (optional)  
  - Cervical collars for mannequins (optional)  
  - GlideScope laryngoscope (optional)  
  - Ventilator (graphic display on ventilator preferred)  
  - Circuitry tubing with interface for testing lung (infant, pediatric, and adult circuitry required)  
  - Test lung capable of altering resistance and compliance  
  - Gas source(s) as required to power ventilator individually  
  - Extension cord  
  - Ventilator handouts (included in the course administration materials) |
| **Essentially ALL components of Cardiopulmonary Dysfunction + Mechanical Ventilation equipment** | - Airway heads that can be intubated  
  - Sim baby  
  - Sim junior  
  - Oral and nasopharyngeal airways  
  - Pediatric laryngoscope(s) and blades (1 curved and 1 straight per mannequin)  
  - Endotracheal tubes of assorted sizes  
  - Syringes  
  - Stylets  
  - Magill forceps  
  - Resuscitation bags and masks of various sizes  
  - Adjunctive airway devices: tracheoesophageal double-lumen airway (Combitube), laryngeal mask airway (LMA), intubating LMA  
  - CO2 detectors  
  - Intravenous solutions (isotonic crystalloids)  
  - Intravenous tubing for pediatric patients  
  - Intraosseous needle kit  
  - Adhesive tape to secure endotracheal tube or tube holder  
  - Oximeters (optional)  
  - Cervical collars for mannequins (optional)  
  - GlideScope laryngoscope (optional)  
  - Ventilator (graphic display on ventilator preferred)  
  - Circuitry tubing with interface for testing lung (infant, pediatric, and adult circuitry required)  
  - Test lung capable of altering resistance and compliance  
  - Gas source(s) as required to power ventilator individually  
  - Extension cord  
  - Ventilator handouts (included in the course administration materials) |
| Accidental and Abusive Trauma | - Airway heads that can be intubated  
|                             | - Sim baby - hi fidelity ideal but not essential  
|                             | - Sim junior - hi fidelity ideal but not essential  
|                             | - Nasal cannula and tubing  
|                             | - Cervical collars for mannequins  
|                             | - Intravenous solutions (isotonic crystalloids)  
|                             | - Intraosseous needle kit  
|                             | - Chest tubes of assorted sizes  
|                             | - Nasogastric tube of assorted sizes  
|                             | - End-tidal CO2 monitor  
|                             | - Intracranial pressure monitor (optional)  