**Recommended Pediatric Equipment Checklist**

**Monitoring**

|  |  |  |
| --- | --- | --- |
| **Equipment** | **Yes** | **No** |
| Defibrillator (0-400J) capability with pediatric paddles (4.5 cm) |  |  |
| Pediatric monitor electrodes |  |  |
| Pulse oximeter with sensors sizes (newborn through adult) |  |  |
| Thermometer/rectal probe\* |  |  |
| Blood Pressure cuffs–neonatal, infant child, adult and thigh cuff |  |  |
| Method to monitor endotracheal tube and placement† |  |  |

\* Suitable for hypothermic and hyperthermic measurements with temperature capability from 25ºto 44º.

† May be satisfied by a disposable ET co² detector, bulb, or feeding tube methods for endotracheal tube placement.

**Vascular Access**

|  |  |  |
| --- | --- | --- |
| **Equipment** | **Yes** | **No** |
| Butterfly needles (19-25-gauge) |  |  |
| Catheter-over-needle devices (14 to 24 gauge) |  |  |
| Infusion device‡ |  |  |
| Tubing for above |  |  |
| Intraosseous needles (16 and 18 gauge)§ |  |  |
| Arm boards – (infant, child) |  |  |
| Intravenous fluid/blood warmers |  |  |
| Umbilical vein catheters (sizes 3.5 Fr and 5 Fr)‼ |  |  |
| Seldinger technique vascular access kit (with pediatric sizes 3, 4, 5, Fr catheters) |  |  |

‡ To regulate rate and volume.

§ May be satisfied by standard bone marrow aspiration needles, 13- or 15- gauge.

‼ Available within the hospital

**Airway Management**

|  |  |  |
| --- | --- | --- |
| **Equipment** | **Yes** | **No** |
| Clear oxygen masks (preterm, infant, child, and adult sizes) |  |  |
| Non-breathing masks (infant, child, and adult sizes) |  |  |
| Oral airways (sizes 00-5) |  |  |
| Nasopharyngeal airways (12 to 30 fr) |  |  |
| Bag-valve-mask Resuscitator, self-inflating (450and 1000 mL sizes) |  |  |
| Nasal cannulae (infant, child, and adult sizes) |  |  |
| Endotracheal tubes: uncuffed (sizes 2.5 to 8.5) and cuffed (sizes 5.5 to 9) |  |  |
| Stylets (pediatric) |  |  |
| Laryngoscope handle (pediatric) |  |  |
| Laryngoscope Blades, curved (sizes 2 and 3) and straight (1 to 3) |  |  |
| Magil forceps (pediatric) |  |  |
| Nasogastric tubes (sizes 6 to 14 Fr) |  |  |
| Suction catheters: flexible (sizes 5 to 16 Fr) and Yankauer suction tip |  |  |
| Chest tubes (sizes 8to 40 Fr) |  |  |
| Tracheostomy tubes (sizes 00 to 6 )¶ |  |  |

¶ Ensure availability of pediatric sizes within the hospital

**Resuscitation Medications**

|  |  |  |
| --- | --- | --- |
| **Equipment** | **Yes** | **No** |
| Medication chart, tape, or other system to ensure ready access to information on proper per kilogram doses for resuscitation drugs and equipment sizes# |  |  |

# System for estimating medication doses and supplies may use the length based method with color codes, or other predetermined weight (kilogram)/dose method.

**Miscellaneous**

|  |  |  |
| --- | --- | --- |
| **Equipment** | **Yes** | **No** |
| Infant and standard scales |  |  |
| Infant formula and oral rehydrating solutions |  |  |
| Heating source (infrared lamps or overhead warmer) |  |  |
| Pediatric restraining devices |  |  |
| Resuscitation board |  |  |

**Specialized pediatric trays**

|  |  |  |
| --- | --- | --- |
| **Equipment** | **Yes** | **No** |
| Lumbar puncture (spinal needle sizes 20-, 22-, and 25- gauge) |  |  |
| Tube thoracotomy with water seal drainage capability |  |  |
| Urinary catheterization with pediatric Foley catheters |  |  |
| Obstetric pack |  |  |
| Newborn kit – umbilical vessel cannulation supplies, meconium aspirator |  |  |
| Venous cutdown |  |  |
| Surgical airway kit‡‡ |  |  |

‡‡ May include any of the following items: tracheostomy tray, cricothyrotomy tray, ETJV (needle jet).

**Fracture management**

|  |  |  |
| --- | --- | --- |
| **Equipment** | **Yes** | **No** |
| Cervical immobilization equipment (sizes child to adult)§§ |  |  |
| Extremity splints |  |  |
| Femur splints (child and adult sizes) |  |  |

§§ Many types of cervical immobilization devices are available. These include wedges and collars. The type of device hosen depends on local preference and policies and procedures. Whatever device is chosen should be stocked in sizes to fit infants, children, adolescents, and adults. The use of sandbags to meet this requirement is discouraged because they may cause injury if he patient has to be turned.

American Academy of Pediatrics, *Care of Children in the Emergency Department: Guideline for Preparedness*.

**Medications**

|  |  |  |
| --- | --- | --- |
| **Drug** | **Supplied** | **Quantity/container** |
| Atropine | Pre-filled syringe | 10 mL (0.1 mg/mL)  5 mL (0.1 mg/mL) |
| Adenosine | Vial | 1 mL (1 mg/mL) |
| Bretylium | Pre-filled syringe  Ampule  Vial | 10 mL (50 mg/mL)  10 mL (50 mg/mL)  20 mL (50 mg/mL) |
| Calcium chloride | Pre-filled syringe | 10 mL  (100 mg/mL=27.1mg elemental calcium |
| Dextrose  (25% and 50%) | Pre-filled syringe | 10 mL |
| Dopamine | Vial | 5 mL (40 mg/ml)  10 mL (40 mg/mL) |
| Dobutamine | Vial | 10 mL (25 mg/mL)  20 mL (12.5 mg/mL) |
| Epinephrine 1:1000 | Pre-filled syringe  Vial | 1 mL, 2 mL  30 mL (1 mg/mL) |
| Epinephrine 1:10,000 | Pre-filled syringe | 10 mL (0.1 mg/mL)  3 mL (0.1 mg/mL) |
| Isoproterenol | Vial | 5 mL (0.2 mg/mL) |
| Lidocaine | Pre-filled syringe  Vial  Ampule | 5 mg/mL, 10 mg/mL,  15 mg/mL, 20 mg/mL,  40 mg/mL, 100 mg/mL,  200 mg/mL  5 mL (20 mg/mL) |
| Naloxone | Vial | 1 mL,  10 mL, (0.4 mg/ml)  2 mL (1 mg/mL) |
| Sodium Bicarbonate | Pre-filled syringe | 50 mL (8.4%) (1 mEq/mL)  10 mL (8.4%) (1 mEq/mL)  10 mL (4.2%) (0.5 mEq/mL) |