# APLS Equipment list

| Lectures equipment | | |
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| All | * Data projector and computer/laptop * Flipchart and pens | * Relevant PowerPoint presentations |

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| **Generic simulation equipment** | |
| * Resusci junior x 1 * Resusci baby x 1 * Monitor-defibrillator with paediatric pads x 1 * Heartsim and interface x 1 * Electrodes and Paed Monitor Stickers * ECG Leads   **Simulation equipment:**   * Oropharyngeal airway sizes 000, 00, 1, 2, 3. * Endotracheal tube introducers x 2 * Endotracheal tube fixation material * Endotracheal Tubes 2.5 uncuffed, 3-9mm (un)cuffed (in 0.5mm steps); * End tidal CO2 monitor * Laryngoscope: adult curved blade * Laryngoscope: straight paed blades * Paediatric Magill Forceps * Yankauer Sucker * Soft Suction Catheters * Oxygen Masks with reservoir * O2 tubing * Self inflating bags & reservoir: 500ml; 1,600ml * Face Masks circular 01,1,2; anatomical 2,3,4 * Catheter mounts * Gum Elastic Bougee * Stylets * Laryngeal mask airway or i-Gel sizes (infant-adult) * Lubricant * Nasal prongs (infant or child) * 3 Way Tap * Y Connector | * Intravenous cannula 14-25g * Intraosseous infusion needles 14 and 18g * EZ-IO drills * Intravenous giving sets * Syringes: 1ml x 2, 2ml x 4, 5ml x 4,   10ml x 4, 50ml x 1   * Detrostix or BM stix bottle * Temperature Probe * SpO2 probe * Capnometry * Blanket * Nasogastric Tubes * Pen Torch * Tape * Bandage and splint * Stethoscope * BP Cuffs * Sharps Bin * Chest drain set: * Scalpel handle * Curved haemostats x2 * Suture * Chest drains 14-24g x 2   **LAMINATES/POSTERS:**   * APLS aide memoire * Glasgow Coma Scale   **REFERENCE DOCUMENTS:**   * Generic equipment list (PEquipment) |

**It is assumed that the generic simulation equipment will be available in each room; the list below is of additional items that instructor teams will need to carry with them to the rooms when they are running specific simulations.**

**Each instructor team will require the documents listed under ‘All’:**

|  | **Simulation additional items** | |
| --- | --- | --- |
| All | * 00\_Ref\_Instructor\_simulation\_guidance * 00\_Ref\_APLS\_6e\_assessment | * Copy of relevant simulation |
| PI-1 |  | **LAMINATES/POSTERS:**   * Anaphylaxis algorithm |
| PI-4 |  | **LAMINATES/POSTERS:**   * Status epilepticus protocol |
| PI-6 |  | **LAMINATES/POSTERS:**   * VT protocol |
| PI-7 | * Nebuliser |  |
| PT-2 |  | **LAMINATES/POSTERS:**   * Massive haemorrhage protocol |
| PT-3 |  | **LAMINATES/POSTERS:**   * Massive haemorrhage protocol |
| PT-4 | * Cling film * Warming equipment |  |
| PC-3 | * Emergency tracheostomy box containing: * introducer, * spare tracheostomy tube of the same dimensions, * one size smaller tracheostomy tube, * suction catheters, * tapes, * non-adherent dressings, * scissors * lubricant jelly * A small artery clip or tracheal dilator should be available | **LAMINATES/POSTERS:**   * NTSP Kids bedhead sign |
| PSI-1 | * Nebuliser |  |
| PST-1 | * Box/Thomas splint * Pelvic splint |  |

**It is assumed that the generic simulation equipment will be available in each room; the list below is of additional items for the skill stations:**

| Skill station additional equipment | | |
| --- | --- | --- |
| Airway  (2 stations) | * Intubatable infant & junior manikins or heads x 2 * Antibacterial wipes x 2 boxes * Spare batteries for laryngoscopes * Spare bulbs for laryngoscopes * Jug of ice to stiffen tubes if necessary * Needle cricothyroidotomy model or animal material * 24g cannulae x 12 * Small BP scalpel handles x 2 * Scalpel blades Size 11 (box) x 1 * Minitrach sets x 1 * Tracheostomy tubes 4, 5 & 6 x 1 * Y connector x 1 * 3-way tap x 1 * Oxygen tubing * 5 ml syringe x 1 * Gloves   In addition to the one available in the simulation equipment, a second of each of the following where x 2 are required:   * Laryngoscope handles x 2 * Adult curved blade x 2 | * Paediatric straight blade x 2 * Nasopharyngeal airways (infant – adult) x 2 * Oropharyngeal airways - (infant - adult) x 2 * Oxygen masks with reservoir x 2 (child) * Oxygen Tubing x 2 * Paediatric Magills * Paediatric yankauer suckers x 2 * Pocket mask adult x 2 * Pocket mask child x 2 * Self-inflating bags with reservoir and oxygen tubing: 500 ml x 2; 1500 ml x 2 * Soft suction catheters x 2 * Stethoscopes x 2   **REFERENCE DOCUMENTS:**   * Specific skill station document |
| Vascular access | IO station:   * Intraosseous trainer or ALS baby with leg pads or chicken thighs x 24 * 5ml syringes x 3 * 50ml syringes x 2 * Intraosseous needles x 3 * Blue food dye x 1 * Jug * 0.9% Saline 500ml * Intraosseous trainer [Humerus and tibia].   Please note that the bones provided with the trainer can be used for the demonstration and then Crunchie bars wrapped in Elastoplast and frozen can be used to aid multiple candidate practice.   * EZ-IO Driver * 10ml syringes x 2 * 10ml amp normal saline * EZ-Connect extension tubing * Pressure bag * EZ-IO needle sets * Giving set * Pressure bag | **Umbilical vein catheterisation:**   * Umbilical cords x 4 * Feeding bottles x 4 * Feeding bottle teats x 4 * Umbilical catheters x 4 * Umbilical tape x 2 * Large waterproof trays x 1 * Gloves * Plastic aprons   *Optional for overseas – see skill station for further details:*  **Venous cutdown:**   * Pigs trotters x 12/Venous cutdown feet x 2 * Small BP Scalpel handles x 2 * Scalpel blades size 15 (boxes) x 1 * Curved haemostats x 6 * Strong black cotton x 3 * Cannulae 14g-25g x 2   **Scalp vein**:   * Scalp vein trainer (optional) * Butterfly needles 18-25g x 2 * Rubber * tubing x 1 (optional)   **REFERENCE DOCUMENTS:**   * Specific skill station document |
| Stabilisation  (2 stations) | * Manikin with Thomas splint attached * Manikin with box splint attached * Kendrick splints x 2 * Pelvic binders (various make/sizes) * Scoop stretcher * Triangular bandages * Large BP cuff | **LAMINATES/POSTERS:**   * Laminated black & white Kendrick assembly instructions (optional – see notes in skill station) * Laminated colour photo of Kendrick splint in situ (optional – see notes in skill station)   **REFERENCE DOCUMENTS:**   * Specific skill station document |
| Chest procedures  (2 stations) | PER GROUP OF 8 CANDIDATES   * Chest: Complete sheep thoraces x2 or chest * drain trainers * Small BP Scalpel Handles x4 * Scalpel blades Size 11 (Boxes) x4 * Scissors x4 * Curved Haemostats x4 * Clamps x4 * Large Hard Suture needles x8 * 20ml syringes x4 * 10ml syringes x4 * IV cannulae 18g x8 * Chest drains 24g x4 * Underwater seal x2 * Large waterproof trays x2 | * 3-way tap x 2 * Seldinger chest drain kit * Gloves * Plastic aprons * Mini skeleton – to demonstrate the anatomy (optional) * ECG monitor   **REFERENCE DOCUMENTS:**   * Specific skill station document |
| BLS  (4 stations) | * BLS manikin’s infant & child * Tissues (box) x 2 * Antibacterial wipes x 2 * Monitor-defibrillator with appropriate pads (paddles if appropriate for environment) | Heartsim and interface x 2  Electrodes  **REFERENCE DOCUMENTS:**   * Specific skill station document |