

# APLS Equipment list

<b>Lectures equipment</b>	
All	<input type="checkbox"/> Data projector and computer/laptop <input type="checkbox"/> Flipchart and pens <input type="checkbox"/> Relevant PowerPoint presentations

<b>Generic simulation equipment</b>	
<input type="checkbox"/> Resusci junior x 1 <input type="checkbox"/> Resusci baby x 1 <input type="checkbox"/> Monitor-defibrillator with paediatric pads x 1 <input type="checkbox"/> Heartsim and interface x 1 <input type="checkbox"/> Electrodes and Paed Monitor Stickers <input type="checkbox"/> ECG Leads <b>Simulation equipment:</b> <input type="checkbox"/> Oropharyngeal airway sizes 000, 00, 1, 2, 3. <input type="checkbox"/> Endotracheal tube introducers x 2 <input type="checkbox"/> Endotracheal tube fixation material <input type="checkbox"/> Endotracheal Tubes 2.5 uncuffed, 3-9mm (un)cuffed (in 0.5mm steps); <input type="checkbox"/> End tidal CO <sub>2</sub> monitor <input type="checkbox"/> Laryngoscope: adult curved blade <input type="checkbox"/> Laryngoscope: straight paed blades <input type="checkbox"/> Paediatric Magill Forceps <input type="checkbox"/> Yankauer Sucker <input type="checkbox"/> Soft Suction Catheters <input type="checkbox"/> Oxygen Masks with reservoir <input type="checkbox"/> O <sub>2</sub> tubing <input type="checkbox"/> Self inflating bags & reservoir: 500ml; 1,600ml <input type="checkbox"/> Face Masks circular 01,1,2; anatomical 2,3,4 <input type="checkbox"/> Catheter mounts <input type="checkbox"/> Gum Elastic Bougee <input type="checkbox"/> Stylets <input type="checkbox"/> Laryngeal mask airway or i-Gel sizes (infant-adult) <input type="checkbox"/> Lubricant <input type="checkbox"/> Nasal prongs (infant or child) <input type="checkbox"/> 3 Way Tap <input type="checkbox"/> Y Connector	<input type="checkbox"/> Intravenous cannula 14-25g <input type="checkbox"/> Intraosseous infusion needles 14 and 18g <input type="checkbox"/> EZ-IO drills <input type="checkbox"/> Intravenous giving sets <input type="checkbox"/> Syringes: 1ml x 2, 2ml x 4, 5ml x 4, 10ml x 4, 50ml x 1 <input type="checkbox"/> Detrostix or BM stix bottle <input type="checkbox"/> Temperature Probe <input type="checkbox"/> SpO <sub>2</sub> probe <input type="checkbox"/> Capnometry <input type="checkbox"/> Blanket <input type="checkbox"/> Nasogastric Tubes <input type="checkbox"/> Pen Torch <input type="checkbox"/> Tape <input type="checkbox"/> Bandage and splint <input type="checkbox"/> Stethoscope <input type="checkbox"/> BP Cuffs <input type="checkbox"/> Sharps Bin <input type="checkbox"/> Chest drain set: <input type="checkbox"/> Scalpel handle <input type="checkbox"/> Curved haemostats x2 <input type="checkbox"/> Suture <input type="checkbox"/> Chest drains 14-24g x 2  <b>LAMINATES/POSTERS:</b> <input type="checkbox"/> APLS aide memoire <input type="checkbox"/> Glasgow Coma Scale  <b>REFERENCE DOCUMENTS:</b> <input type="checkbox"/> 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	<input type="checkbox"/> 00_Ref_Instructor_simulation_guidance <input type="checkbox"/> 00_Ref_APLS_6e_assessment <input type="checkbox"/> Copy of relevant simulation
PI-1	<b>LAMINATES/POSTERS:</b> <input type="checkbox"/> Anaphylaxis algorithm
PI-4	<b>LAMINATES/POSTERS:</b> <input type="checkbox"/> Status epilepticus protocol
PI-6	<b>LAMINATES/POSTERS:</b> <input type="checkbox"/> VT protocol
PI-7	<input type="checkbox"/> Nebuliser
PT-2	<b>LAMINATES/POSTERS:</b> <input type="checkbox"/> Massive haemorrhage protocol
PT-3	<b>LAMINATES/POSTERS:</b> <input type="checkbox"/> Massive haemorrhage protocol
PT-4	<input type="checkbox"/> Cling film <input type="checkbox"/> Warming equipment

Simulation additional items	
PC-3	<input type="checkbox"/> Emergency tracheostomy box containing: <ul style="list-style-type: none"> <li>• introducer,</li> <li>• spare tracheostomy tube of the same dimensions,</li> <li>• one size smaller tracheostomy tube,</li> <li>• suction catheters,</li> <li>• tapes,</li> <li>• non-adherent dressings,</li> <li>• scissors</li> <li>• lubricant jelly</li> <li>• A small artery clip or tracheal dilator should be available</li> </ul>
PSI-1	<input type="checkbox"/> Nebuliser <div style="margin-top: 10px;"> <p><b>LAMINATES/POSTERS:</b></p> <input type="checkbox"/> NTSP Kids bedhead sign           </div>
PST-1	<input type="checkbox"/> Box/Thomas splint <input type="checkbox"/> 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:

<b>Skill station additional equipment</b>	
<b>Airway (2 stations)</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Intubatable infant &amp; junior manikins or heads x 2</li> <li><input type="checkbox"/> Antibacterial wipes x 2 boxes</li> <li><input type="checkbox"/> Spare batteries for laryngoscopes</li> <li><input type="checkbox"/> Spare bulbs for laryngoscopes</li> <li><input type="checkbox"/> Jug of ice to stiffen tubes if necessary</li> <li><input type="checkbox"/> Needle cricothyroidotomy model or animal material</li> <li><input type="checkbox"/> 24g cannulae x 12</li> <li><input type="checkbox"/> Small BP scalpel handles x 2</li> <li><input type="checkbox"/> Scalpel blades Size 11 (box) x 1</li> <li><input type="checkbox"/> Minitrach sets x 1</li> <li><input type="checkbox"/> Tracheostomy tubes 4, 5 &amp; 6 x 1</li> <li><input type="checkbox"/> Y connector x 1</li> <li><input type="checkbox"/> 3-way tap x 1</li> <li><input type="checkbox"/> Oxygen tubing</li> <li><input type="checkbox"/> 5 ml syringe x 1</li> <li><input type="checkbox"/> Gloves</li> <li><input type="checkbox"/></li> </ul> <p>In addition to the one available in the simulation equipment, a second of each of the following where x 2 are required:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Laryngoscope handles x 2</li> <li><input type="checkbox"/> Adult curved blade x 2</li> </ul>
	<ul style="list-style-type: none"> <li><input type="checkbox"/> Paediatric straight blade x 2</li> <li><input type="checkbox"/> Nasopharyngeal airways (infant – adult) x 2</li> <li><input type="checkbox"/> Oropharyngeal airways - (infant - adult) x 2</li> <li><input type="checkbox"/> Oxygen masks with reservoir x 2 (child)</li> <li><input type="checkbox"/> Oxygen Tubing x 2</li> <li><input type="checkbox"/> Paediatric Magills</li> <li><input type="checkbox"/> Paediatric yankauer suckers x 2</li> <li><input type="checkbox"/> Pocket mask adult x 2</li> <li><input type="checkbox"/> Pocket mask child x 2</li> <li><input type="checkbox"/> Self-inflating bags with reservoir and oxygen tubing: 500 ml x 2; 1500 ml x 2</li> <li><input type="checkbox"/> Soft suction catheters x 2</li> <li><input type="checkbox"/> Stethoscopes x 2</li> </ul> <p><b>REFERENCE DOCUMENTS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Specific skill station document</li> </ul>

## Skill station additional equipment

Vascular access	<p>IO station:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Intraosseous trainer or ALS baby with leg pads or chicken thighs x 24</li> <li><input type="checkbox"/> 5ml syringes x 3</li> <li><input type="checkbox"/> 50ml syringes x 2</li> <li><input type="checkbox"/> Intraosseous needles x 3</li> <li><input type="checkbox"/> Blue food dye x 1</li> <li><input type="checkbox"/> Jug</li> <li><input type="checkbox"/> 0.9% Saline 500ml</li> <li><input type="checkbox"/> 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.</li> <li><input type="checkbox"/> EZ-IO Driver</li> <li><input type="checkbox"/> 10ml syringes x 2</li> <li><input type="checkbox"/> 10ml amp normal saline</li> <li><input type="checkbox"/> EZ-Connect <input type="checkbox"/> extension tubing</li> <li><input type="checkbox"/> Pressure bag</li> <li><input type="checkbox"/> EZ-IO needle sets</li> <li><input type="checkbox"/> Giving set</li> <li><input type="checkbox"/> Pressure bag</li> </ul>	<p><b>Umbilical vein catheterisation:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Umbilical cords x 4</li> <li><input type="checkbox"/> Feeding bottles x 4</li> <li><input type="checkbox"/> Feeding bottle teats x 4</li> <li><input type="checkbox"/> Umbilical catheters x 4</li> <li><input type="checkbox"/> Umbilical tape x 2</li> <li><input type="checkbox"/> Large waterproof trays x 1</li> <li><input type="checkbox"/> Gloves</li> <li><input type="checkbox"/> Plastic aprons</li> </ul> <p><i>Optional for overseas – see skill station for further details:</i></p> <p><b>Venous cutdown:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Pigs trotters x 12/Venous cutdown feet x 2</li> <li><input type="checkbox"/> Small BP Scalpel handles x 2</li> <li><input type="checkbox"/> Scalpel blades size 15 (boxes) x 1</li> <li><input type="checkbox"/> Curved haemostats x 6</li> <li><input type="checkbox"/> Strong black cotton x 3</li> <li><input type="checkbox"/> Cannulae 14g-25g x 2</li> </ul> <p><b>Scalp vein:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Scalp vein trainer (optional)</li> <li><input type="checkbox"/> Butterfly needles 18-25g x 2</li> <li><input type="checkbox"/> Rubber</li> <li><input type="checkbox"/> tubing x 1 (optional)</li> </ul> <p><b>REFERENCE DOCUMENTS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Specific skill station document</li> </ul>
Stabilisation (2 stations)	<ul style="list-style-type: none"> <li><input type="checkbox"/> Manikin with Thomas splint attached</li> <li><input type="checkbox"/> Manikin with box splint attached</li> <li><input type="checkbox"/> Kendrick splints x 2</li> <li><input type="checkbox"/> Pelvic binders (various make/sizes)</li> <li><input type="checkbox"/> Scoop stretcher</li> <li><input type="checkbox"/> Triangular bandages</li> <li><input type="checkbox"/> Large BP cuff</li> </ul>	<p><b>LAMINATES/POSTERS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Laminated black &amp; white Kendrick assembly instructions (optional – see notes in skill station)</li> <li><input type="checkbox"/> Laminated colour photo of Kendrick splint in situ (optional – see notes in skill station)</li> </ul> <p><b>REFERENCE DOCUMENTS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Specific skill station document</li> </ul>

## Skill station additional equipment

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Chest procedures (2 stations)</p>	<p>PER GROUP OF 8 CANDIDATES</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Chest: Complete sheep thoraces x2 or chest</li> <li><input type="checkbox"/> drain trainers</li> <li><input type="checkbox"/> Small BP Scalpel Handles x4</li> <li><input type="checkbox"/> Scalpel blades Size 11 (Boxes) x4</li> <li><input type="checkbox"/> Scissors x4</li>   <li><input type="checkbox"/> Curved Haemostats x4</li> <li><input type="checkbox"/> Clamps x4</li>   <li><input type="checkbox"/> Large Hard Suture needles x8</li> <li><input type="checkbox"/> 20ml syringes x4</li> <li><input type="checkbox"/> 10ml syringes x4</li>   <li><input type="checkbox"/> IV cannulae 18g x8</li> <li><input type="checkbox"/> Chest drains 24g x4</li> <li><input type="checkbox"/> Underwater seal x2</li> <li><input type="checkbox"/> Large waterproof trays x2</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 3-way tap x 2</li> <li><input type="checkbox"/> Seldinger chest drain kit</li> <li><input type="checkbox"/> Gloves</li> <li><input type="checkbox"/> Plastic aprons</li> <li><input type="checkbox"/> Mini skeleton – to demonstrate the anatomy (optional)</li> <li><input type="checkbox"/> ECG monitor</li>   <li><b>REFERENCE DOCUMENTS:</b></li> <li><input type="checkbox"/> Specific skill station document</li> </ul>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">BLS (4 stations)</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> BLS manikin's infant &amp; child</li> <li><input type="checkbox"/> Tissues (box) x 2</li> <li><input type="checkbox"/> Antibacterial wipes x 2</li> <li><input type="checkbox"/> Monitor-defibrillator with appropriate pads (paddles if appropriate for environment)</li> </ul>	<p>Heartsim and interface x 2 Electrodes</p> <p><b>REFERENCE DOCUMENTS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Specific skill station document</li> </ul>