

# PLS 7e: equipment list

## Paperwork for faculty meeting

All	Faculty should be given access ahead of the course to the documents listed below but the centre should have printed copies available in the faculty room	<input type="checkbox"/> Course director checklist <input type="checkbox"/> Instructor simulation guide PLS 7e <input type="checkbox"/> Instructor skill station guide PLS 7e <input type="checkbox"/> Global Development Indicators and Specific Assessment Criteria <input type="checkbox"/> PLS 7e - Continuous assessment <input type="checkbox"/> The learning conversation (a few copies available)
All	In addition, these documents should be available in the simulation rooms	<input type="checkbox"/> Global Development Indicators and Specific Assessment Criteria sheet (1 per room) <input type="checkbox"/> Aide memoire <input type="checkbox"/> Relevant algorithms

## Lecture equipment

All	<input type="checkbox"/> Data projector and computer/laptop <input type="checkbox"/> Flipchart and pens	<input type="checkbox"/> Relevant PowerPoint presentations
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ALSG recommends that all centres consider the diversity of their manikins and use a range of skin-coloured manikins on their courses. We also recommend that centres consider the use of adolescent/adult manikins for some of the simulations to aid realism. If time and skills allow, centres might wish to use moulage (makeup etc) in some simulations again to improve realism.

ALSG recommends that PLS centres use technology to aid realism by the use of a system for displaying patient observations that includes SpO<sub>2</sub>/ETCO<sub>2</sub>/BP as well as ECG e.g. using tablets with simulation monitoring such as Sim Mon.

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

## Generic simulation equipment – one set per simulation and sim demo room

### Airway

- Oropharyngeal airway sizes 000, 00, 0, 1, 2, 3.
- Nasopharyngeal airway (to fit infant and child manikins)
- Endotracheal tube introducers x 2
- Endotracheal tube fixation material
- Endotracheal Tubes 2.5 uncuffed, 3-7.5(un)cuffed (in 0.5mm steps);
- End tidal CO<sub>2</sub> monitor
- Laryngoscope: handle and adult curved blade
- Laryngoscope: handle and straight paed blades (0 & 1)
- Paediatric Magill Forceps
- Yankauer Sucker (small and large)
- Soft Suction Catheters (6,8,10)
- Oxygen Masks with reservoir (paed and adult)
- O<sub>2</sub> tubing
- Bag-valve-mask: 500ml (paed); 1000/1600ml (adult)
- Face Masks circular or anatomical 0/1,1,2,3,4
- Catheter mounts
- Bougee
- Stylets
- Laryngeal mask airway or i-Gel sizes (infant-adult)
- Lubricant for manikin
- Nasal prongs (infant or child)
- Nebuliser pot
- 3 Way Tap
- Y Connector
- Capnometry
- Intubatable infant & junior manikins or heads x 2 Tracheostomy tubes (locally used - paed non cuffed and adult cuffed)
- Stethoscopes

### Circulation

- Intravenous cannula 14-25g
- EZ-IO drills (or BIG) with paed & adult needles
- Intravenous giving sets/IV fluid bags
- Syringes: 1ml x 2, 2ml x 4, 5ml x 4, 10ml x 4, 20ml x 2, 50ml x 2
- Detrostix or BM stix bottle
- Temperature probe
- SpO<sub>2</sub> probe(s)
- Blanket
- Nasogastric Tube(s)
- Pen torch
- Tape
- Bandage and splint
- BP Cuffs (small and large)
- Sharps Bin
- Adrenaline autoinjectors (if used locally)

### Manikins and monitoring

- Junior manikin x 1 (intubatable)
- Baby manikin x 1 (intubatable)
- Adolescent/adult manikin (optional)
- Tracheostomy manikin for simulation (baby or child) – with spare trachy tube and tapes
- Monitor-defibrillator with paediatric/adult pads x 1
- Heartsim and interface x 1
- Electrodes and Paed Monitor Stickers
- ECG Leads
- Tablets with Sim Mon app (recommended)
- Gloves/aprons (if needed)

### LAMINATES/POSTERS:

- APLS aide memoire
- see website for algorithms

## Demo simulation additional items

ABCDE demo	<input type="checkbox"/> BLS manikin – child	<b>LAMINATES/POSTERS:</b> Sepsis 6
Cardiac demo	<input type="checkbox"/> BLS manikin – infant	<b>LAMINATES/POSTERS:</b> Cardiac arrest Expanded cardiac arrest Asystole and PEA

## Team simulation additional items

Team 1		<b>LAMINATES/POSTERS:</b>
Team 2		<b>LAMINATES/POSTERS:</b> Status epilepticus protocol
Team 3	<p>Tracheostomy baby manikin for simulation</p> <p><input type="checkbox"/> Other tracheostomies e.g. cuffed</p> <p>Emergency tracheostomy box containing:</p> <p><input type="checkbox"/> introducer,  <input type="checkbox"/> spare tracheostomy tube (same size),  <input type="checkbox"/> one size smaller tracheostomy tube,  <input type="checkbox"/> suction catheters,  <input type="checkbox"/> tapes,  <input type="checkbox"/> scissors  <input type="checkbox"/> lubricant jelly  <input type="checkbox"/> tracheal dilator should be available</p>	<b>LAMINATES/POSTERS:</b> DOPES information NTSP tracheostomy emergency management

## Airway and breathing simulation additional items

AB1	<input type="checkbox"/> Head blocks and tapes	<b>LAMINATES/POSTERS:</b>
AB2	<input type="checkbox"/> Nebuliser pot with mask	<b>LAMINATES/POSTERS:</b> Asthma
AB3		<b>LAMINATES/POSTERS:</b>
AB4	<input type="checkbox"/> Nebuliser pot with mask	<b>LAMINATES/POSTERS:</b> Westley Croup Score ( <a href="https://www.mdcalc.com/calc/677/westley-croup-score">https://www.mdcalc.com/calc/677/westley-croup-score</a> (or local equivalent) and aide memoire
AB5	<input type="checkbox"/> Nebuliser pot with mask <input type="checkbox"/> Adrenaline auto-injectors (if available locally)	<b>LAMINATES/POSTERS:</b> Anaphylaxis
AB6	<input type="checkbox"/> “PCA” pump with infusion attached to patient	
AB7	<input type="checkbox"/> Nebuliser pot with mask	

## Circulation simulation additional items

C1	<input type="checkbox"/> Head blocks and tapes	<b>LAMINATES/POSTERS:</b>
C2	<input type="checkbox"/> Pelvic binders (various make/sizes) <input type="checkbox"/> Large BP cuff	<b>LAMINATES/POSTERS:</b> Massive haemorrhage in trauma Massive haemorrhage protocol
C3	<input type="checkbox"/> Yankaur suction	<b>LAMINATES/POSTERS:</b> Massive haemorrhage protocol
C4		<b>LAMINATES/POSTERS:</b> Sepsis 6
C5	<input type="checkbox"/> Nebuliser pot with mask <input type="checkbox"/> Adrenaline auto-injectors (if available locally)	<b>LAMINATES/POSTERS:</b> Anaphylaxis
C6		

## Cardiac arrest simulation additional items

**All cardiac arrest simulations will need the following laminates:**

Cardiac arrest

Expanded cardiac arrest

CA1		<b>LAMINATES/POSTERS:</b> VF and pulseless VT
CA2		<b>LAMINATES/POSTERS:</b> Asystole and PEA
CA3		<b>LAMINATES/POSTERS:</b> Asystole and PEA
CA4		<b>LAMINATES/POSTERS:</b> Asystole and PEA
CA5		<b>LAMINATES/POSTERS:</b> VF and pulseless VT
CA6		<b>LAMINATES/POSTERS:</b> Asystole and PEA
CA7		<b>LAMINATES/POSTERS:</b> Asystole and PEA