

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

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 SpO₂/ETCO₂/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 CO₂ 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)
- ☐ O₂ 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
- ☐ SpO₂ 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	LAMINATES/POSTERS: Sepsis 6
Cardiac demo	<input type="checkbox"/> BLS manikin – infant	LAMINATES/POSTERS: Cardiac arrest Expanded cardiac arrest Asystole and PEA

Team simulation additional items		
Team 1		LAMINATES/POSTERS:
Team 2		LAMINATES/POSTERS: Status epilepticus protocol
Team 3	Tracheostomy baby manikin for simulation <input type="checkbox"/> Other tracheostomies e.g. cuffed Emergency tracheostomy box containing: <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	LAMINATES/POSTERS: DOPES information NTSP tracheostomy emergency management

Airway and breathing simulation additional items		
AB1	<input type="checkbox"/> Head blocks and tapes	LAMINATES/POSTERS:
AB2	<input type="checkbox"/> Nebuliser pot with mask	LAMINATES/POSTERS: Asthma
AB3		LAMINATES/POSTERS:
AB4	<input type="checkbox"/> Nebuliser pot with mask	LAMINATES/POSTERS: Westley Croup Score (https://www.mdcalc.com/calc/677/westley-croup-score (or local equivalent) and aide memoire
AB5	<input type="checkbox"/> Nebuliser pot with mask <input type="checkbox"/> Adrenaline auto-injectors (if available locally)	LAMINATES/POSTERS: 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	LAMINATES/POSTERS:
C2	<input type="checkbox"/> Pelvic binders (various make/sizes) <input type="checkbox"/> Large BP cuff	LAMINATES/POSTERS: Massive haemorrhage in trauma Massive haemorrhage protocol
C3	<input type="checkbox"/> Yankaur suction	LAMINATES/POSTERS: Massive haemorrhage protocol
C4		LAMINATES/POSTERS: Sepsis 6
C5	<input type="checkbox"/> Nebuliser pot with mask <input type="checkbox"/> Adrenaline auto-injectors (if available locally)	LAMINATES/POSTERS: Anaphylaxis
C6		

Cardiac arrest simulation additional items		
All cardiac arrest simulations will need the following laminates: Cardiac arrest Expanded cardiac arrest		
CA1		LAMINATES/POSTERS: VF and pulseless VT
CA2		LAMINATES/POSTERS: Asystole and PEA
CA3		LAMINATES/POSTERS: Asystole and PEA
CA4		LAMINATES/POSTERS: Asystole and PEA
CA5		LAMINATES/POSTERS: VF and pulseless VT
CA6		LAMINATES/POSTERS: Asystole and PEA
CA7		LAMINATES/POSTERS: Asystole and PEA