

Equipment List

All equipment should be from established, recognised manufacturers.

Skill Station: Airway skills station

Equipment per station

- Two flat surfaces (e.g. table)
- Two of each size, round soft silicone masks – size 00, 0 and 1 (or 35 mm and 45 mm)
- Two of each size anatomical mask size 0 and 1
- Two size 1 supraglottic airways (either i-gel or laryngeal mask airway)
- Two paediatric Yankauer catheters or other wide-bore suction catheters (12 or 14 FG)
- Four (~ 500 mL) self-inflating bags with blow-off valve and reservoir bag
- One adult self-inflating bag (1200-1600 mL)
- Two oxygen cylinders with flow meter and green tubing (can be empty)
- Two non-intubatable BLS manikins
- Two intubatable ALS manikins
- Two preterm manikins (est. GA 25-28 weeks, if possible)
- Two laryngoscopes, each with straight blades size 0 and 1 (i.e. Wisconsin or Miller blades)
- Four towels/baby wraps
- Two plastic bags
- Four hats (two term and two preterm)
- Two paediatric/neonatal stethoscopes
- Flow-driven neonatal T-piece resuscitator device with PEEP valve (and Neopuff device or equivalent if available)
- Two nasal cannula (neonatal size suitable for a term baby)
- Two exothermic mattresses
- Two exhaled CO₂ detector
- Stopwatch or clocks for the timing of breaths
- **Optional:** One 240 mL self-inflating bag

Skill Station: Chest compressions, vascular access and drugs

Equipment per station

Chest compressions

- Two manikins which permit lung inflation and chest compressions (+/- CPR feedback)
- Two self-inflating paediatric resuscitation bags
- Two resuscitation masks (appropriate to manikin)
- Two neonatal/paediatric stethoscopes
- Two saturation monitors with appropriate probes
- Two exothermic mattresses
- Two hats
- Two towels

Vascular access

- One manikin that allows IO insertion into the tibia or specific intraosseous trainer limb (this may be one of the two manikins used for the chest compression section)
- IO device with appropriately sized needles
- IO connector and securing dressing

Drugs

- Whiteboard/flipchart and associated pens
- Eight chairs

Skill Station: OH-NLS Workshop

Equipment per station

- Preterm manikin, which permits lung inflation and insertion of nasal cannula oxygen prongs
- OH-NLS kit bag/response bag containing:
 - Four towels,
 - Two hats (term and preterm)
 - Heated mattress
 - Clear plastic bag
 - Paediatric Yankeur catheter
 - i-gel/LMA size
 - One 5 mL syringe (if inflatable cuffed LMA carried)
 - Laryngoscope with size 1 blade
 - One sachet of lubricant gel
 - One self-inflating paediatric resuscitation bag (approximately 500 mL volume)
 - Round soft silicone face masks – size 00, 0 and 1 (or 35 mm and 45 mm)
 - Paediatric (neonatal) nasal cannula
 - Two clinical waste bag
 - Neonatal/paediatric stethoscopes
 - Two patient ID bracelet
 - Axilla thermometer
 - pulse oximeter probe
 - **Optional additional items:** e.g. foil blanket/ wrap , newborn transport device/harness
- Oxygen cylinder (can be empty)
- OHNLS algorithm
- Slide presentation equipment
- **Optional additional items:** three cord clamps, sharp scissors/umbilical cord scissors, two gauze pack

Simulations

Equipment per station

- Resuscitation surface
- One non-intubatable BLS manikin
- One intubatable ALS manikin
- One preterm manikin (est. GA 25-28 weeks, if possible)
- Oxygen cylinder (can be empty)
- **Two towels**
- **One plastic bag**
- **Two hats (one term and one preterm)**
- **One exothermic mattress**
- **One self-inflating bag (~ 500 mL) with blow-off valve**
- **Round soft silicone masks: size 00, 0 and 1 (or 35 mm and 42 mm F&P masks)**
- **Anatomical face masks – sizes 0 and 1**
- **One size 1 i-gel/laryngeal mask airway device**
- **One exhaled CO₂ detector**
- **One paediatric Yankauer sucker**
- **One laryngoscope with Miller 0 and 1 blades (or similar)**
- **One paediatric/neonatal neonatal/paediatric stethoscope**
- **One pulse oximeter probe**
- **One neonatal axilla thermometer (or similar)**
- **One paediatric/neonatal nasal cannula**
- Clock/stopwatch for timing interventions
- Optional: intraosseous vascular access device, portable suction machine

Ideally, the resuscitation equipment (**bold**) should be provided to candidates gathered together in an appropriately organised equipment bag (analogous to a 'neonatal resuscitation' bag that might be carried by a community midwife or on an ambulance).

Airway Testing station

Equipment per station

- Flat surface (e.g. tabletop) on which to perform the assessment and resuscitation
- One non-intubatable term BLS manikin
- One intubatable term ALS manikin
- One paediatric/neonatal stethoscope
- Three blankets or wraps (one may be damp to be wrapped around the BLS manikin)
- One exothermic mattress
- One plastic bag/wrap
- One self-inflating bag (~ 500 mL) with blow-off valve
- Round soft silicone masks – size 00, 0, 1 (or 35 mm and 45 mm)
- One paediatric Yankauer sucker
- One laryngoscope with sizes 0 and 1 Miller blade
- One laryngeal mask airway (either i-gel or LMA or both)
- One pulse oximeter probe
- One empty small-sized oxygen cylinder with green tubing to attach to a self-inflating bag
- Standard testing sheets plus clipboards

NOTE: Oropharyngeal airways should not be available in the airway test. Insertion is no longer being taught on the course.

Equipment List – Complete (core)

Equipment	Quantity
Round silicone masks (00, 0, 1)	6 of each size
Anatomical mask (1 and 2)	6 of each size
i-gel size 1	5
Paediatric yankauer suction catheter	6
BVM 500 mL with reservoir	6
BVM 250 mL	Optional
BVM adult	Optional
Neonatal T-piece resuscitator	Optional
BLS manikin (allowing jaw thrust and airway occlusion if head position is incorrect)	5
ALS manikin (allowing airway suctioning and i-gel insertion)	4
Preterm mannikin	4
Laryngoscope	5
Miller 0 and 1 blades	5 of each size
CO ₂ detector	5
Paediatric nasal cannula	4
Towels	12
Plastic bags	6
Hats	4 preterm, 4 term
Exothermic mattresses	7
Foil blanket/bubble wrap/blizzard blanket	1
Intraosseous limb (can be part of mannikin included in mannikin count)	1
IO driver and appropriate needle/connector	1
Stethoscopes	6
SpO ₂ probe	5
Axilla thermometer	4

Equipment	Quantity
Whiteboard and pens	1
Oxygen cylinder (can be empty)	4
Response bags for kit	4
Cord clamps, sharp scissors, gauze pack, patient ID bracelet, foil blanket, hot water bottle	Optional