

Emergency Care Learning Lab

User Guide



INTENDED USE

The Emergency Care Learning Lab is designed to support training in basic emergency care for adults and children, including WHO's Basic Emergency Care program, the Community First Aid Responder program, and the Basic Critical Care program.

The kit is also ideal for CPR training, as it includes adult and infant CPR manikins, along with a free app that provides real-time feedback, interactive challenges, and tips to enhance CPR performance.

How to videos

Scan the QR code to access setup and usage videos for the Learning Lab, as well as a free CPR feedback app.

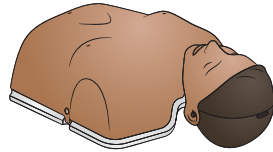
The videos are also available on the USB stick attached to the backpack and at shop.laerdalglobalhealth.com/ecll



ITEMS INCLUDED



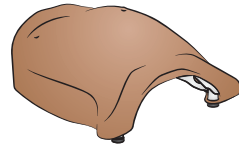
1. Head Section Model



2. Little Anne for Emergency Care



3. Little Baby QCPR
(Included with complete version)



4. Needle Decompression Trainer



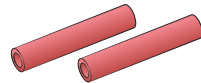
5. Deep Wound



6. IV Access Pads



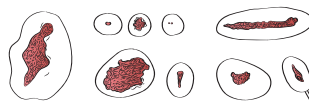
7. Uterine Massage Trainer



8. Foam Rolls



9. Open Fracture Wound



10. Wound modules

BASIC EMERGENCY CARE SKILLS

Below is an overview of all the skills in the Basic Emergency Care program supported by the Learning Lab. All other skills in the course can be practiced with a fellow student.

Skills supported	Training model
Airway	
Airway opening - Paediatric Head-Tilt/Chin-Lift & Jaw Thrust	1, 3
Airway opening - Adult Head-Tilt/Chin-Lift & Jaw Thrust	1, 2
Choking management - Infant and Small Child	3
Airway Suctioning	1,2,3
Basic Airway Devices (OPA and NPA) for adult	1,2
Breathing	
Supplemental Oxygen	2,3
Bag-Valve-Mask Ventilation	2,3
Needle Decompression	4
Management of open pneumothorax (sucking chest wound)	2 +10 or 4 +10
Circulation	
Bleeding control (Direct Pressure)	5, 10
Bleeding control (Deep Wound Packing)	5
Bleeding control (Tourniquet Technique)	8
Uterine Massage for Postpartum Haemorrhage	7
Insertion of IV Cannula	6
Immobilization and physical examination skills	
Fracture immobilization (closed and open)	9
Wound & assessment	
General Wound Management	10
Burn Wound Management	10
Snake bite Bandaging and Immobilisation	10

FIRST TIME SET UP

For BEC Training

Use the manikins straight from the backpack, or enhance training by adding batteries and connecting to the free app for ventilation feedback and a crying baby simulation during choking management.

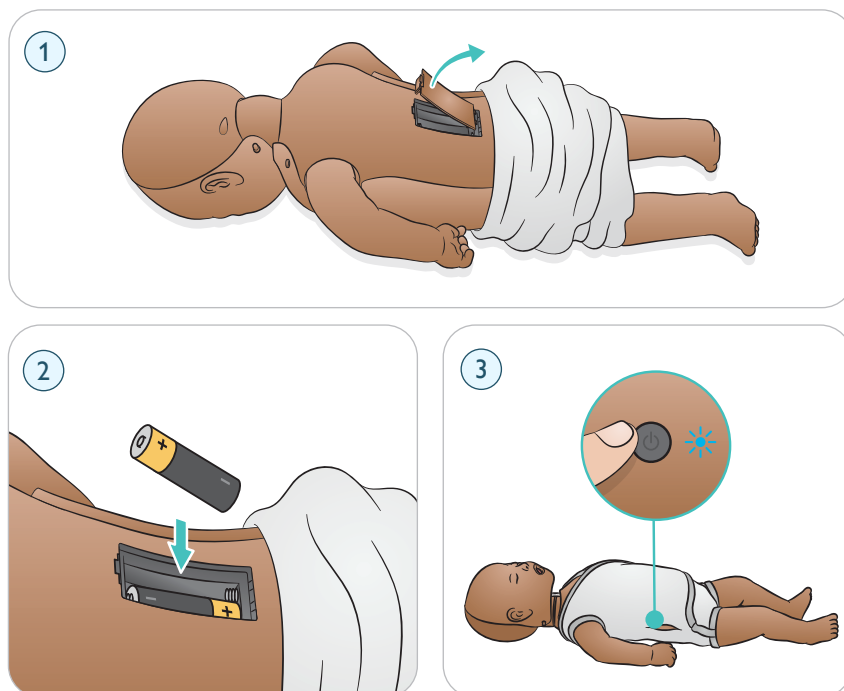
For CPR Training

For CPR training, we recommend inserting batteries and connecting the manikins to the free app that provides real-time feedback, interactive challenges, and tips to help improve your CPR performance.



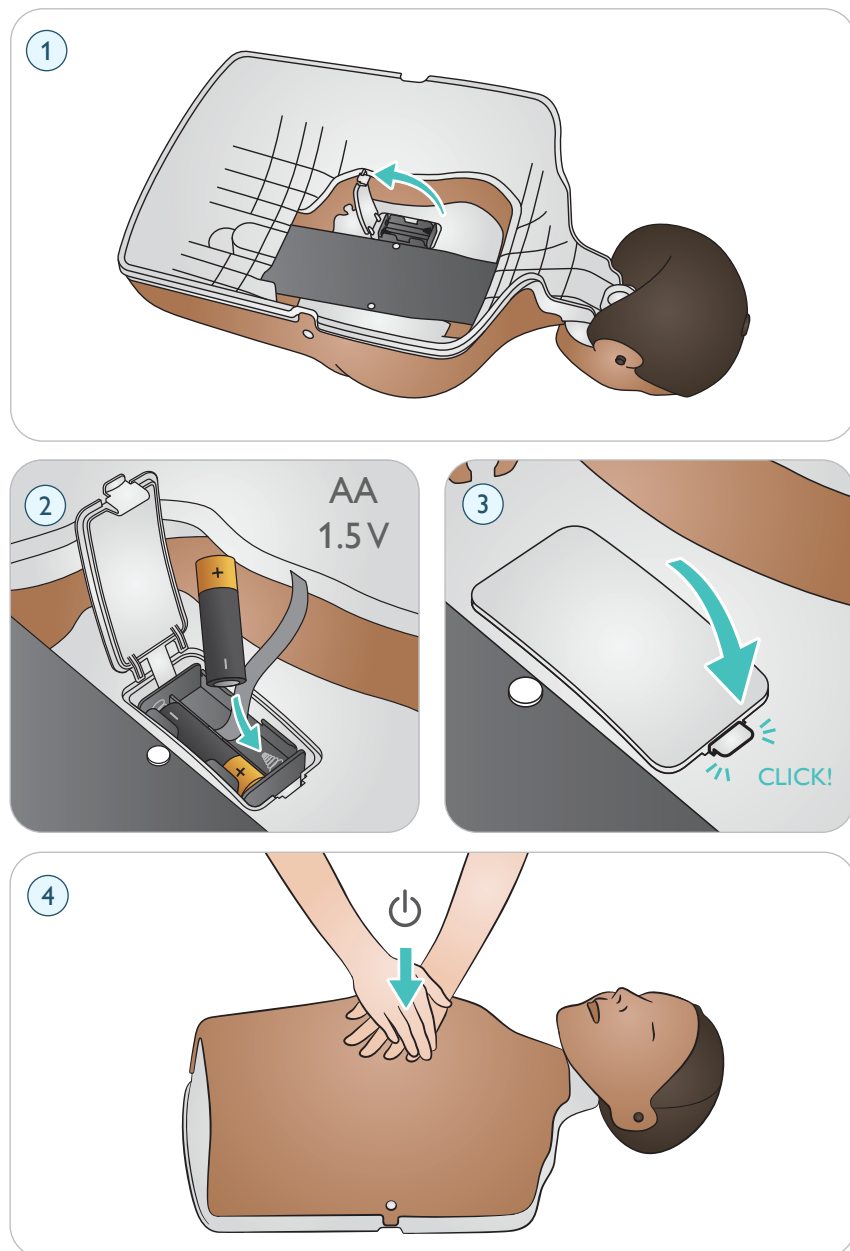
Little Baby QCPR

To install AA batteries in the Little Baby:



Little Anne for Emergency Care

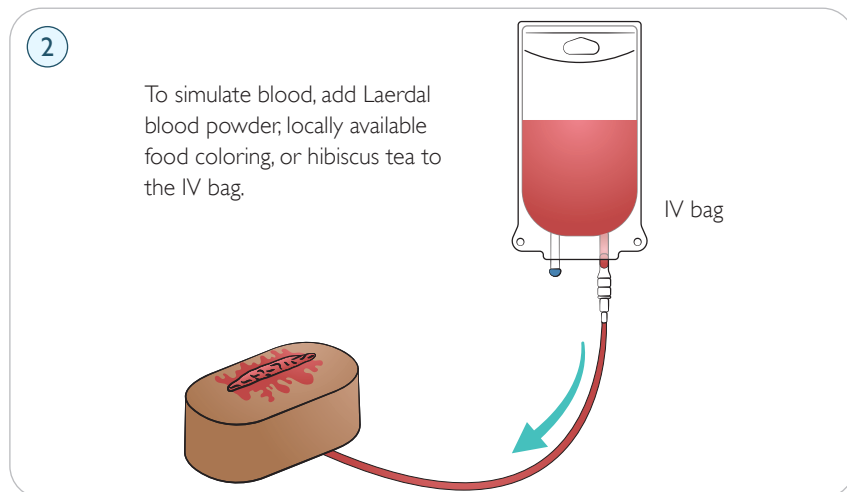
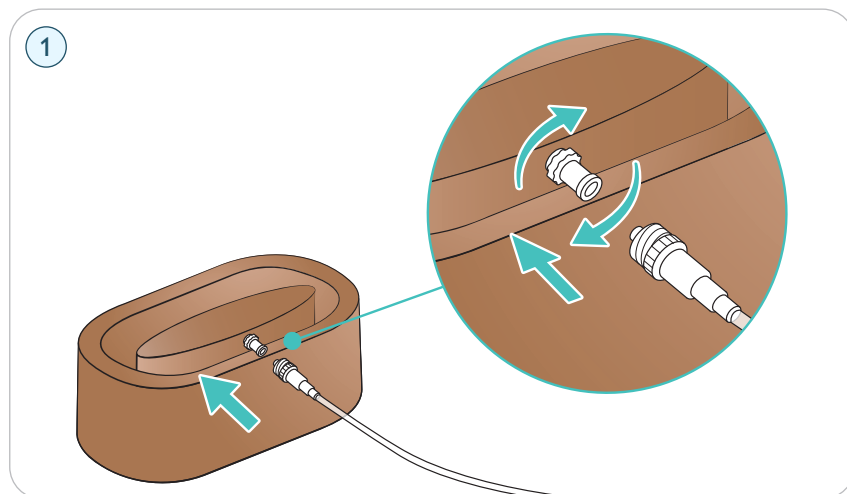
To install AA batteries in the Little Anne for Emergency Care:



SET UP

Deep Wound

To simulate a bleeding wound, attach the wound to the IV bag.

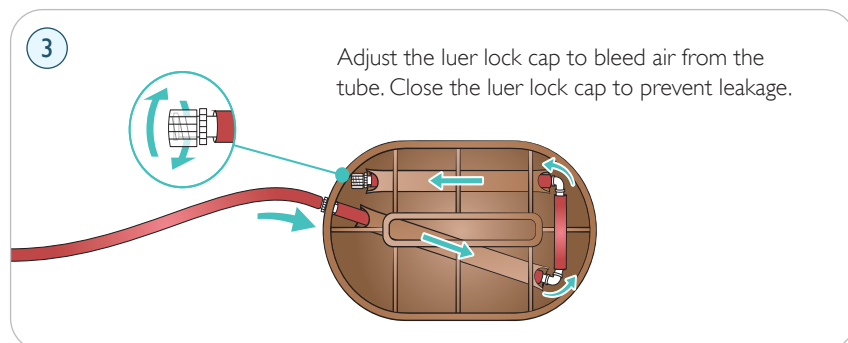
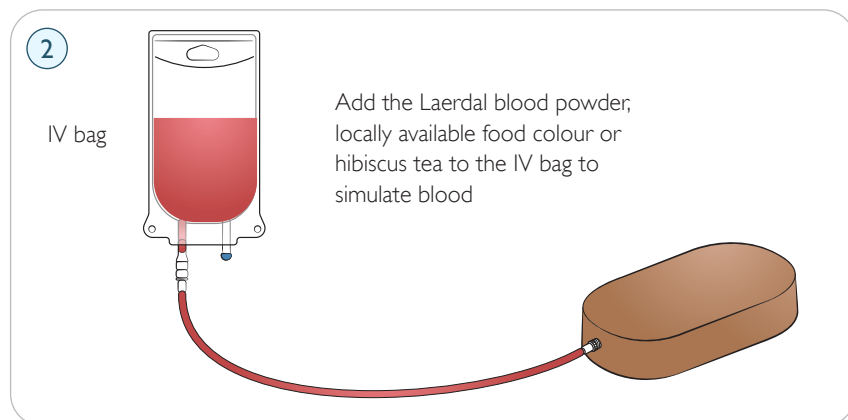
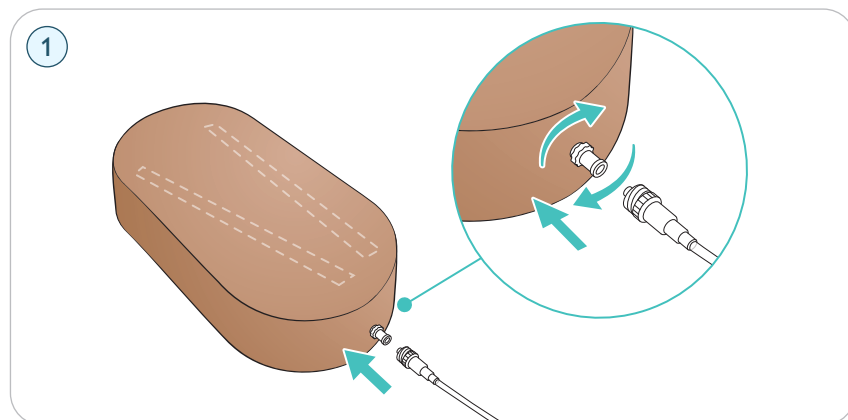


NOTE

If preferred, the Deep Wound can also be used dry without connecting it to the IV bag.

IV Access Pad

To get fluid feedback, attach the pad to the IV bag.



MAINTENANCE

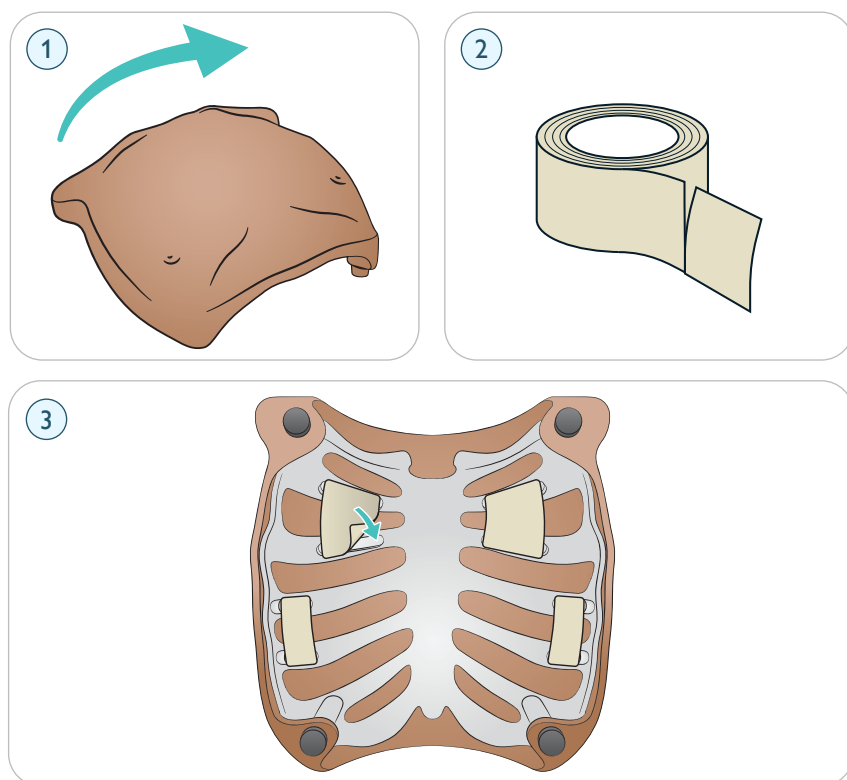
Cleaning and storage after use

- Clean components after heavy use or liquid exposure.
- Wipe components with a damp cloth and mild soap to remove stains and glue residue.
- The nasal airways typically do not require cleaning of the lubrication. However, if you notice increased resistance during insertion of the NPA, gently rinse the nasal airway with clean water..

Store as directed in the packing instructions inside the backpack. Avoid prolonged exposure to direct sunlight and temperatures above 35°C.

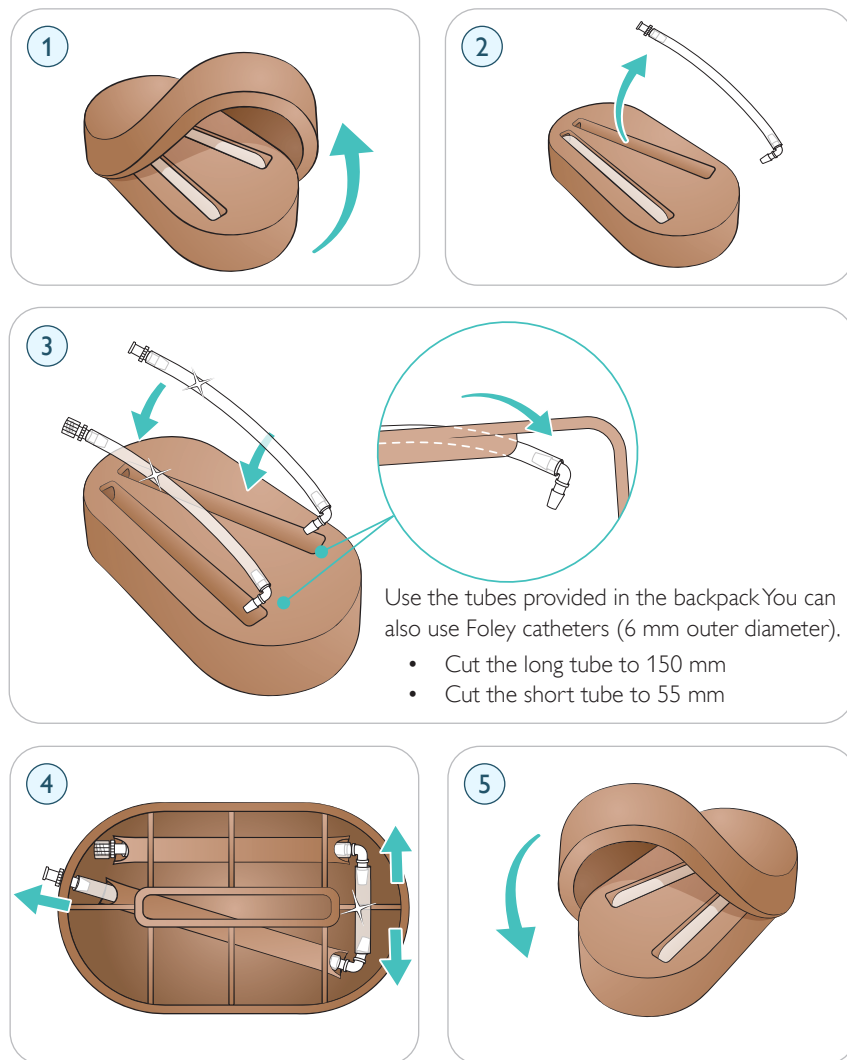
Needle Decompression Trainer

The chest skin will withstand hundreds of insertions. The tapes, simulating the pleura, may need to be replaced after 30-50 insertions.



IV Access Pad

The top layer will withstand hundreds of insertions. The tubings may need to be changed after 30-50 insertions. To replace the tubings:



NOTE

To maximize durability, you may rotate the cover skin 180 degrees between sessions.

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