

Web Table I Difficulties Encountered by Learners During Simulation Sessions and Development of NeoBox

<i>Simulation scenario</i>	<i>Delta</i>	<i>Development of NeoBox</i>
Scenario 1	Size of the box was too big to fit under radiant warmer	NeoBox's base dimensions were determined by taking measurements of warmer bed (NeoBox base dimensions : Warmer bed length - 10 cm, Warmer bed breadth - 10 cm)
Scenario 2	Difficulty in accessing newborn's airway due to the straight front surface. Difficult to access newborn's airway due to it's inconveniently located ports	The aerosol box was flattened and angulated at the top to provide clear vision to the person performing intubation. The lower border of two semicircular ports on the front side was lowered.
Scenario 3	Need for extra ports on both sides in case baby needs advanced resuscitation Confusion in positions of the resuscitator while performing resuscitation	Two ports were incorporated on either side of the box. The distal port was designed to be bigger (oval in shape) than the proximal one (circular in shape) for the easy access during procedures. If the baby needs initial steps of resuscitation: The resuscitator stands at the head end and the assistant if any stands on the right side. If the baby needs advanced steps of resuscitation: (i) Instead of AMBU bag, T piece resuscitator will be used as the bag would need lot of space. (ii) Intubation will be performed from the head end. (iii) The resuscitator will shift to the left side while providing PPV through ET. (iv) Second resuscitator will provide chest compressions from head end. (v) Third resuscitator will perform umbilical catheterization from right side
Scenario 4	How to cover ports to minimize aerosol spread during intra hospital transport?	Polycarbonate flaps were prepared to cover side ports and a square polycarbonate sheet was made to cover front side. One can use polyethylene wrap to cover the ports and front side.