APLS: Airway Patency and Ventilation (May 2023)
Testing Station

**Testing Objectives**

* To ensure that the candidate can carry out basic airway management correctly in infants
* To ensure that the candidate can carry out advanced airway management correctly in infants
* To ensure that the candidate, if struggling to succeed with an advanced airway technique, reverts to BVM face mask ventilation to maintain adequate oxygenation of the infant

**Equipment (per testing station)**

Infant ALS Mannikins

Paediatric self-inflating bag with reservoir, infant face masks, oropharyngeal airways

Endotracheal tubes: 3 mm, 3.5 mm, 4 mm uncuffed ETTs

Laryngoscope handles, Paediatric straight blade

Spare batteries for laryngoscopes

Endotracheal tube introducer, gum elastic bougie

Paediatric yankauer sucker

Syringe

Stethoscope

**Environment**

1. Set out table so that candidates can perform the procedure from the correct orientation (i.e., Head end).

2. Lay out the equipment so that it is obvious to the candidate and does not need to be searched for.

3. Arrange the equipment so that oxygen tubing, stethoscope, ET tubes etc do not become entangled.

4. If more than one station is set up in the same room, arrange this so that they do not interfere with each other.

**Standards**

Formal testing of the candidates’ abilities in all of the basic and advanced airway skills listed on the airway testing sheet

**Procedure**

Give standard instructions to candidate. If the candidate passes, the instructor keeps the sheet. If the candidate requires a retest, document reasons, discuss with candidate and hand the sheet back.

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Test Marking Sheet

Candidate Name & No:

Clinical context: “The infant is unconscious with obstructed breathing”

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| --- | --- | --- |
| The candidate should demonstrate the following successfully: | **TEST** | **RETEST** |
| “Show me how you would position and open this infant’s airway”“Show me how you would clear secretions” | 🞏 | 🞏 |
| “Show me how you would size and insert an oropharyngeal airway  | 🞏 | 🞏 |
| “Show me how you would select a mask, and proceed with BVM ventilation” | 🞏 | 🞏 |
| “What monitoring & clinical signs would you use to confirm successful intubation and ensure safety during intubation?”Response: Pulse oximetry, CO2 monitoring, rise & fall of the chest, air entry on auscultation | 🞏 | 🞏 |
| “Again, with adequate pre-oxygenation, when you are ready proceed to orotracheal intubation safely” | 🞏 | 🞏 |
| Orotracheal intubation of an infant (within 30 seconds); or, | 🞏 | 🞏 |
| Recommencement of bag-valve-mask ventilation and a successful second attempt at orotracheal intubation; or | 🞏 | 🞏 |
| Attempts at intubation as above followed by recognition that intubation failed followed by safe airway practice.  | 🞏 | 🞏 |

**Notes:**

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| Circle applicable result: PASS   RETEST PASS FAIL |

Signed