

Tutor Guide – Pre-oxygenation and Basic Airway Management

Thank you very much for helping with the airway mastery learning program. Attached is the pre-course material which trainees should read and complete before attending. It includes a checklist and you should use this when assessing them. It also includes a pass mark, which should be regarded as formative rather than summative. Ideally the programme should be delivered as described here, but we recognise that not every department will be able to achieve this.

- Teaching can take up to 60 minutes depending on the trainee.
- There should ideally only be up to two trainees per tutor at a time.
- Ideally the trainee should also have had an opportunity to practice with the equipment on the manikin prior to the session.
- It is very important to create a safe space and non-threatening environment for the learner.

Stages of the process are:

1. Trainee reads pre-course material and watches video before attending.
2. Participant performs procedure on the manikin as a formative assessment.
3. Tutor gives specific feedback about performance.
4. Trainee repeats procedure until you are happy they do it properly (this may need more than one session).

Skills to assess as part of formative assessment (use checklist):

1. Conditions for airway management – demonstrate an understanding of equipment, monitoring, personnel and supervision needed for safe practice.
2. Demonstrates knowledge of pre-oxygenation goals.
3. Perform airway opening manoeuvres (including use of adjuncts).
4. Effective bag-valve-mask ventilation.

Equipment:

- a manikin/ airway head
- a range of facemasks and airway adjuncts

Things to stress are:

- Preparation – equipment, staff
- Positioning
- Demonstration of effective airway opening manoeuvres
- Demonstration of effective bag-valve-mask ventilation
- Confirmation of effective ventilation

Trainees should repeat the procedure until you are happy that they are doing it properly (see checklist)

Pre-Oxygenation & Basic Airway Management Checklist

Date:

Trainee name:

Tutor:

Step	1 st attempt	2 nd attempt
Pre-procedure		
Ensures trained assistant & senior supervision		
Confirm airway plan with anaesthetic assistant		
Ensures appropriate airway equipment available		
Full monitoring including capnography		
Ensures patent IV cannula (unless inhalational induction)		
Open APL valve and start O ₂ supply		
Procedure: Pre-oxygenation		
Position the patient appropriately		
Create an adequate seal of the face mask		
Assesses seal and adjusts accordingly		
Pre-oxygenate to ETO ₂ > 0.8		
Procedure: Basic Airway Management		
Applies appropriate airway manoeuvres as patient loses consciousness		
Combines head tilt, chin lift (1 or 2 handed) – avoiding compression of soft tissue and eyes		
Ventilates the patient when respiratory effort ceases (1 or 2 handed)		
Uses additional manoeuvres or airway adjuncts as required – jaw thrust, oropharyngeal airway		
Continuously assesses efficacy of ventilation – chest rising, ETCO ₂ , absence of leak		
Post-procedure		
Documentation of airway management		
Throughout		
Appropriate communication with assistant & patient		
Aware of patient condition/vital signs		

Pass Mark 15/17

Comments