MONASH EMERGENCY MonashHealth

Paed airway

Candidate's information

You are teaching Jason, a medical student, on the basics of airway management for an infant. You have an infant-sized manikin and appropriate equipment for this session. Jason has no practical experience in this topic; he is a novice.

Your tasks are to:

- Revise with Jason the basic anatomy of an infant's airway
- Introduce him to 3 basic practical skills: 1. Optimizing the infant's position, 2. Sizing and inserting an oropharyngeal adjunct (eg a Guedel's airway), and 3. Artificial ventilation using a self-inflating bag and appropriately sized mask.

You will be assessed on your knowledge of relevant clinical issues, and your communication skills..

You have 7 minutes to complete the task.

Domains assessed;

Medical expertise

Communication

Professionalism

Scholarship and teaching

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Actor information

The scenario commences as soon as the candidate enters the room when the bell rings. Start with: *"Hello. I'm Jason. Thank you for teaching me about the infant airway."*

You are a reasonably knowledgeable student. You are familiar with basic principles of paediatric airway anatomy, but this is your first practical encounter. The candidate should successfully introduce the basics of practical airway skills: optimal positioning, sizing and inserting airway adjuncts and artificial ventilation with a self-inflating bag. Note that the candidate is NOT expected to cover endotracheal intubation or other invasive procedures.

Questions you should ask if the relevant issues are not already covered:

- *"How is the positioning different to a larger child or an adult? Why?"*
- *"How can you tell if the oropharyngeal airway is the right size?"*
- *"How can you tell if the mask is the right size?"*
- *"How fast do you ventilate (ie breaths per minute)?"*

Ideally, the scenario should take all of the allotted 7 minutes. Please ensure you engage the candidate in a full discussion, to address all relevant issues to this case. If the candidate completes all tasks satisfactorily with time left, please proceed to ask him/her about the principles of sizing a cervical collar. Use the supplied collars and manikin. Beyond the script provided, other details Jason may be role-played at your artistic discretion, provided these are realistic and that you are consistent with these details for all the candidates.

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Domain	Criteria for High Rating
Medical Expertise	Sufficient knowledge of infant's airway anatomy: larynx position, soft submandibular tissue, airway diameter, narrowest point, large tongue, prominent occiput, epiglottic shape and position High level skill and familiarity with item 1 to 3: head neutral, chin lift, jaw thrust, suction under direct vision, Guedel sizing and insertion, nasopharyngeal airway sizing and insertion, mask selection and holding, ventilation. Acknowledges caveats and potential complications of airway interventions: mucosal trauma, tongue displacement, failed procedures, gastric aspiration, pneumothorax.
Communication	Verbal clarity, conciseness, specificity Permits Jason to ask questions
Professionalism	Professional appearance, demeanor and conduct Empathic interaction with patient.
Scholarship and teaching	Seeks and incorporates Jason's prior knowledge Assesses Jason's knowledge and skills after teaching

Examiner's assessment

Candidate Name:

A. Component Assessment

Select ONE option that best represents the candidate's performance in this OSCE. Use the 9-point graded scale, where 1 is poorest and 9 is best. TICK ONE CELL for each row below.

	1	2	3	4	5	6	7	8	9
Medical Expertise									
Communication									
Professionalism									
Scholarship and teaching									

B. Station Difficulty (please circle): Low Moderate High

C. Examiner Notes on Candidate Performance

Positives

Areas for Improvement

Suggestions

D. Global Rating for Standard Setting (please circle)

Clear Fail Marginal Fail Borderline Marginal Pass Clear Pas