

Airway Management

Presentation guide

DC = Statement of the competence for a particular domain

E = Elements of the competence for a specific statement of competence

P = Performance criteria for competency; associated with a specific element of the competence

Domain of competence DC.11

Perform airway management techniques on patients in a clinical setting

E11.1 Insert nasopharyngeal airways

P11.1.1 Discuss the indications for inserting a nasopharyngeal airway

P11.1.2 Demonstrate equipment and patient preparation

P11.1.3 Insert nasopharyngeal airways in a clinical setting

E11.2 Manage nasopharyngeal airways

P11.2.1 Describe nasopharyngeal airway complications and corrective action

P11.2.2 Monitor patient with a nasopharyngeal airway, recognize complications and take corrective action in a clinical setting

E11.3 Remove nasopharyngeal airways

P11.3.1 Describe procedure for removal of nasopharyngeal airways

P11.3.2 Remove nasopharyngeal airways in a clinical setting

E11.4 Insert oropharyngeal airways

P11.4.1 Discuss the indications for inserting an oropharyngeal airway

P11.4.2 Demonstrate equipment and patient preparation

P11.4.3 Insert oropharyngeal airways in a clinical setting

E11.5 Manage oropharyngeal airways

P11.5.1 Describe oropharyngeal airway complications and corrective action

P11.5.2 Monitor patient with a oropharyngeal airway, recognize complications and take corrective action in a clinical setting

E11.6 Remove oropharyngeal airways

- P11.6.1 Describe procedure for removal of oropharyngeal airways
- P11.6.2 Remove oropharyngeal airways in a clinical setting

E11.7 Perform bag/mask ventilation with self-inflating resuscitator

- P11.7.1 Describe the common components of self-inflating manual resuscitators, including accessories (i.e., pressure relief and PEEP valves)
- P11.7.2 Discuss the application of a self-inflating manual resuscitator with various accessories including PEEP devices
- P11.7.3 Describe the factors affecting the delivered oxygen concentration and lung volume
- P11.7.4 Identify potential complications and related corrective action
- P11.7.5 Perform bag/mask ventilation with a self-inflating resuscitator on patients in a clinical setting
- P11.7.6 Assess patient response and make necessary adjustments

E11.8 Perform bag/mask ventilation with flow-inflating resuscitator

- P11.8.1 Describe the components of flow-inflating manual resuscitator, including accessories (i.e., pressure relief and PEEP valves)
- P11.8.2 Describe the factors affecting the delivered oxygen concentration and lung volume while ventilating a patient with a flow-inflating manual resuscitator
- P11.8.3 Identify potential complications and related corrective action per use of a flow-inflating manual resuscitator
- P11.8.4 Compare the application of ventilation using a self-inflating manual resuscitator versus a flow-inflating resuscitator
- P11.8.5 Perform bag/mask ventilation with a flow-inflating resuscitator on patients in a clinical setting
- P11.8.6 Assess patient response and make necessary adjustments

E11.9 Perform endotracheal intubation

- P11.9.1 Describe the indications for endotracheal intubation
- P11.9.2 Compare the procedures for endotracheal intubation applicable in distinct clinical situations and potential complications
- P11.9.3 Describe equipment and patient preparation for endotracheal intubation for particular clinical situations
- P11.9.4 Assess need for endotracheal intubation in patients in a clinical setting
- P11.9.5 Perform endotracheal intubation on patients in a clinical setting while ensuring adequate ventilation throughout procedure
- P11.9.6 Assess effectiveness of ventilation and oxygenation, secure tube and inflate cuff of intubated patients in a clinical setting

E11.10 Assist with endotracheal intubation

- P11.10.1 Prepare equipment and patient for endotracheal intubation
- P11.10.2 Assist with endotracheal intubation in a clinical setting
- P11.10.3 Assess ventilation and oxygenation, secure tube and inflate cuff of intubated patients in a clinical setting

E11.11 Manage endotracheal tubes

- P11.11.1 Assess adequacy of ventilation and oxygenation, and monitor the intubated patient
- P11.11.2 Assess patent airway, tube placement and cuff seal for intubated patients in a clinical setting and take corrective action
- P11.11.3 Recognize complications and take corrective action for intubated patients in a clinical setting

E11.12 Change endotracheal tubes

- P11.12.1 Assess need for changing or discontinuing the application of an endotracheal tube in a clinical setting
- P11.12.2 Prepare the equipment necessary for changing an endotracheal tube in a clinical setting
- P11.12.3 Perform extubation and re-intubation of patients in a clinical setting, while maintaining a patent airway and adequate ventilation
- P11.12.4 Assess effectiveness of ventilation, secure tube and inflate cuff of intubated patients in a clinical setting
- P11.12.5 Recognize complications and take corrective action for re-intubated patients in a clinical setting

E11.13 Remove endotracheal tubes

- P11.13.1 Assess need to remove endotracheal tubes in patients in a clinical setting
- P11.13.2 Describe method for removal of endotracheal tubes
- P11.13.3 Prepare equipment and patient for removal of endotracheal tubes in patients in a clinical setting
- P11.13.4 Extubate patients in a clinical setting
- P11.13.5 Monitor patient response while assuring a patent airway, adequate ventilation and oxygenation in patients in a clinical setting
- P11.13.6 Continue to monitor for possible complications and take corrective action in patients following removal of an endotracheal tube in a clinical setting

E11.14 Perform ventilation via artificial airway with a self-inflating resuscitator

- P11.14.1 Determine need for manual ventilation via artificial airway using a self-inflating resuscitator
- P11.14.2 Perform ventilation via artificial airway with a self-inflating manual resuscitator on patients in a clinical setting
- P11.14.3 Assess ventilation and oxygenation via artificial airway with a self-inflating manual resuscitator
- P11.14.4 Assess patient response and make necessary adjustments during ventilation via artificial airway with a self-inflating resuscitator

E11.15 Perform ventilation via artificial airway with a flow-inflating resuscitator

- P11.15.1 Determine need for manual ventilation via artificial airway using a flow-inflating resuscitator
- P11.15.2 Perform ventilation via artificial airway with a flow-inflating manual resuscitator on patients in a clinical setting
- P11.15.3 Assess ventilation and oxygenation via artificial airway with a flow-inflating manual resuscitator
- P11.15.4 Assess patient response, and make necessary adjustments during ventilation via artificial airway with a self-inflating manual resuscitator

E11.16 Insert tracheostomy

- P11.16.1 Describe the procedure and indications for insertion of a tracheostomy tube
- P11.16.2 Distinguish potential complications associated with a tracheostomy
- P11.16.3 Describe equipment and patient preparation for insertion of a tracheostomy tube
- P11.16.4 Perform insertion of a tracheostomy tube on patients in a clinical setting while ensuring adequate ventilation throughout procedure
- P11.16.5 Assess ventilation and oxygenation secure tracheostomy tube and inflate cuff in patients in a clinical setting

E11.17 Assist with tracheostomy

- P11.17.1 Prepare equipment and patient for insertion of a tracheostomy tube for particular clinical situations
- P11.17.2 Assist during insertion of a tracheostomy tube in patients in a clinical setting
- P11.17.3 Assess ventilation and oxygenation secure tube and inflate cuff of tracheostomy tube in patients in a clinical setting

E11.18 Manage tracheostomy tubes

- P11.18.1 Assess ventilation and oxygenation, and monitor patient response while tracheostomized in a clinical setting
- P11.18.2 Provide stoma, tube and cuff care for tracheostomized patients in a clinical setting
- P11.18.3 Assess patent airway for tracheostomized patients in a clinical setting and take corrective action per need
- P11.18.4 Monitor for complications and take corrective action for tracheostomized patients in a clinical setting

E11.19 Change tracheostomy tubes

- P11.19.1 Assess need to change tracheostomy tubes in a clinical setting
- P11.19.2 Prepare the equipment necessary to change tracheostomy tube in a clinical setting
- P11.19.3 Perform insertion of a new tracheostomy tube in patients in a clinical setting, while maintaining a patent airway and adequate ventilation
- P11.19.4 Assess ventilation and oxygenation secure tube and inflate cuff of tracheostomy tubes in patients in a clinical setting
- P11.19.5 Monitor for complications and take corrective action in a clinical setting

E11.20 Remove tracheostomy tubes

- P11.20.1 Assess need to remove tracheostomy tubes in patients in a clinical setting
- P11.20.2 Describe method for removal of tracheostomy tubes
- P11.20.3 Prepare equipment and patient for removal of tracheostomy tubes in patients in a clinical setting
- P11.20.4 Remove tracheostomy tubes in patients in a clinical setting
- P11.20.5 Monitor patient response while assuring a patent airway, adequate ventilation and oxygenation and stoma care in patients in a clinical setting
- P11.20.6 Continue to monitor and take corrective action in patients following removal of a tracheostomy tube in a clinical setting

E11.21 Care for and maintain various types of surgical airways (e.g., laryngectomy)

- P11.21.1 Compare the application of surgical airways
- P11.21.2 Describe complications and corrective action associated with the use of specific surgical airways
- P11.21.3 Assess ventilation and oxygenation, and monitor patient with a surgical airway while in a clinical setting

P11.21.4 Take corrective action as necessary in patients with a surgical airway in a clinical setting

E11.22 Utilize specialized techniques and adjuncts to facilitate endotracheal intubation (e.g., fiberoptic assisted laryngoscopy)

P11.22.1 Distinguish difficulties associated with the insertion of an endotracheal tube

P11.22.2 Compare specialized techniques and adjuncts utilized to facilitate insertion of an endotracheal tube

P11.22.3 Prepare the material necessary to facilitate a potentially difficulty endotracheal intubation in a clinical setting

P11.22.4 Prepare the patient for a difficult endotracheal intubation in a clinical setting

P11.22.5 Perform endotracheal intubation using specialized techniques and adjuncts on patients in a clinical setting while ensuring adequate ventilation throughout procedure

P11.22.6 Assess ventilation and oxygenation, secure tube and inflate cuff of intubated patients in a clinical setting

E11.23 Insert laryngeal masks

P11.23.1 Describe indications and the procedure for insertion of a laryngeal mask

P11.23.2 Describe equipment and patient preparation for insertion of a laryngeal mask

P11.23.3 Identify complications and corrective action associated with the use of a laryngeal mask

P11.23.4 Assess need for use of laryngeal mask in patients in a clinical setting

P11.23.5 Perform insertion of laryngeal masks in patients in a clinical setting while ensuring adequate ventilation throughout procedure and insert bite block

P11.23.6 Assess ventilation and oxygenation, secure and inflate laryngeal mask in a clinical setting

E11.24 Manage laryngeal masks

P11.24.1 Maintain patent airway, adequate ventilation and oxygenation for patients in a clinical setting

P11.24.2 Provide laryngeal mask and cuff care for patients in a clinical setting

P11.24.3 Monitor for complications and take corrective action for patients in a clinical setting

E11.25 Remove laryngeal masks

- P11.25.1 Describe indications and method for removal of a laryngeal mask
- P11.25.2 Prepare equipment and patient for removal of laryngeal mask in patients in a clinical setting
- P11.25.3 Remove laryngeal masks in patients in a clinical setting
- P11.25.4 Monitor patient response while assuring a patent airway, adequate ventilation and oxygenation in patients in a clinical setting
- P11.25.5 Continue to monitor for complications and take corrective action in patients in a clinical setting

E11.26 Manage difficult airway

- P11.26.1 Describe clinical situations involving a difficult airway and corrective action
- P11.26.2 Assess ventilation and oxygenation, and monitor patient response in a clinical setting
- P11.26.3 Recognize complications and take corrective action for patients with a difficult airway in a clinical setting

E11.27 Assist with insertion of specialized airways (e.g., armored tubes, double lumen tubes)

- P11.27.1 Compare the application and design of specialized airways
- P11.27.2 Assess the need for use of a specialized airway in a particular clinical situation
- P11.27.3 Prepare equipment and patient for insertion of a specialized airway for particular clinical situations
- P11.27.4 Assist during insertion of specialized airways in patients in a clinical setting
- P11.27.5 Assess ventilation and oxygenation, secure tube and inflate cuff of patients in a clinical setting

E11.28 Manage specialized airways (e.g., armored tubes, double-lumen tubes)

- P11.28.1 Assess the patient with specialized airways for adequacy of ventilation and oxygenation while in a clinical setting
- P11.18.2 Provide specialized airway and cuff care for patients in a clinical setting
- P11.18.3 Monitor for complications and take corrective action patients with a specialized airway in a clinical setting

E11.29 Remove specialized airways (e.g., armored tubes, double-lumen tubes)

- P11.29.1 Assess need to remove specialized airway in patients in a clinical setting
- P11.29.2 Describe method for removal of specialized airways
- P11.29.3 Prepare equipment and patient for removal of specialized airway in patients in a clinical setting
- P11.29.4 Remove specialized airway in patients in a clinical setting
- P11.29.5 Monitor patient response while assuring a patent airway, adequate ventilation and oxygenation in a clinical setting
- P11.29.6 Continue to monitor for complications and take corrective action in patients in a clinical setting

E11.30 Wean from artificial airway intervention

- P11.30.1 Describe method for weaning patient from artificial airway intervention
- P11.30.2 Assess needs to wean patient from artificial airway intervention
- P11.30.3 Prepare equipment and patient for weaning from artificial airway in a clinical setting
- P11.30.4 Wean patient from artificial airway in a clinical setting while maintaining ventilation during procedure
- P11.30.5 Monitor patient response while assuring patent airway, adequate ventilation and oxygenation in a clinical setting
- P11.30.6 Continue to monitor for complications and take corrective action in patients wean from artificial airways in a clinical setting

E11.31 Assist with speech therapy (e.g., speech valves)

- P11.31.1 Describe methods utilized to enable patient to communicate verbally
 - P11.31.2 Assess patient readiness for the application of speech therapy
 - P11.31.3 Instruct and assist patients ready for speech therapy in a clinical setting
 - P11.31.4 Determine effectiveness of speech therapy on patients in a clinical setting
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