

ATC215 Anesthesia Airway Equipment

COURSE DESCRIPTION:

Prerequisites: ATG110, ATG112, ATC115 and ATC210

Corequisites: ATC150 - must be taken either prior to or at the same time as this course

Offered.

Course description: This course covers the function and use of basic and advanced anesthesia airway equipment and the setup, troubleshooting and assistance in placing endotracheal tubes. Emphasis is placed on equipment setup and processing of airway equipment including direct and indirect laryngoscopy, supraglottic airways, and fiberoptic endoscopes. Upon completion, students should be able to set up and assist with placing airways in a variety of situations and be able to assist the anesthesia care team in a difficult airway.

Course Clinical Hours per week: 9. Semester Hours Credit, 4

LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to

1. Full understanding on airway management for adult and pediatric patients
2. Knowledge of the ASA algorithm
3. Identify all the airway equipment and how it is used.
4. Set up and assist with airway management for adult and pediatric patients.

OUTLINE OF INSTRUCTION:

- I. Full Understanding on Airway management for adult and pediatric patients
 - A. Introduction to Airway Management
 - B. Introduction to basic Airway Management
 - C. Introduction to Tracheal Intubation
 - i. Principle of Airway Management
 - ii. Setup basic airway management for anesthesia case
 - iii. Demonstrate the knowledge of all anesthesia airway equipment.
- II. Demonstrate the ASA Algorithm
 - A. Differentiate and define the function of airway management between Pediatric and Adult patients.
 - B. preparation and setup of airway management.
 - C. Identify positioning, landmarks for airway management.
- III. Identify all the airway equipment and how it is used.
 - a. American Society of Anesthesiologist classification on patient or ASA
 - b. Mallampati score

REQUIRED TEXTBOOK AND MATERIAL:

E-Book

Manual of Emergency Airway Management

Ron Walls, Michael Murphy, and Walls

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