

Tracheal Tubes 2016 - 2017

Description:

Tracheal tubes are widely used in anaesthesia to provide gas transfer between a breathing system and a patient's trachea. This module will help you to understand the design and use of standard tracheal tubes. You will also be introduced to variants of the tracheal tube which have been modified for use in different clinical situations.

Session Introduction

Learning Objectives:

- Recognize the purpose of tracheal tubes
- Recognize and describe the design features of tracheal tubes
- Identify the basic features of specialized versions of tracheal tubes
- Identify and recognize the basic features of rigid stylets and bougies

Introduction to Tracheal Tubes

What are the Functions of Tracheal Tubes?

Basic Design

Construction Material

size

Length

Bevel

Murphy Eye

Cuff

Cuff

Volume and pressure

Tracheal Tube Connectors

Specialized Versions of Tracheal Tubes

Basic Features

Rigid stylet

Basic Features

Bougie

Session Key Points

- Tracheal tubes provide a path for gas flow, protect the airway, and allow positive pressure ventilation for the patient
- The 'size' usually refers to the internal diameter
- The cuff may be high volume/low pressure or low volume/high pressure
- Paediatric tracheal tubes are smaller and their size must be chosen carefully
- Specialized versions exist such as preformed, armoured, double lumen, and laser resistant

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- When you next work in theatre, have a look at the tracheal tubes on the airway trolley. Ask your operating department practitioner to show you the specialized tracheal tubes