

RIGID BRONCHOSCOPY

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INTERVENTIONAL BRONCHOSCOPY

- 1) Technical aspects
- 2) Tracheo-bronchial stents
- 3) Management benign tracheal stenosis

Experience interventional bronchoscopy

- 1992-2012 (20 years)
- 600 procedures
- Laser + mechanical resection
- 150 tracheal/bronchial stents

TECHNICAL ASPECTS
Interventional bronchoscopy

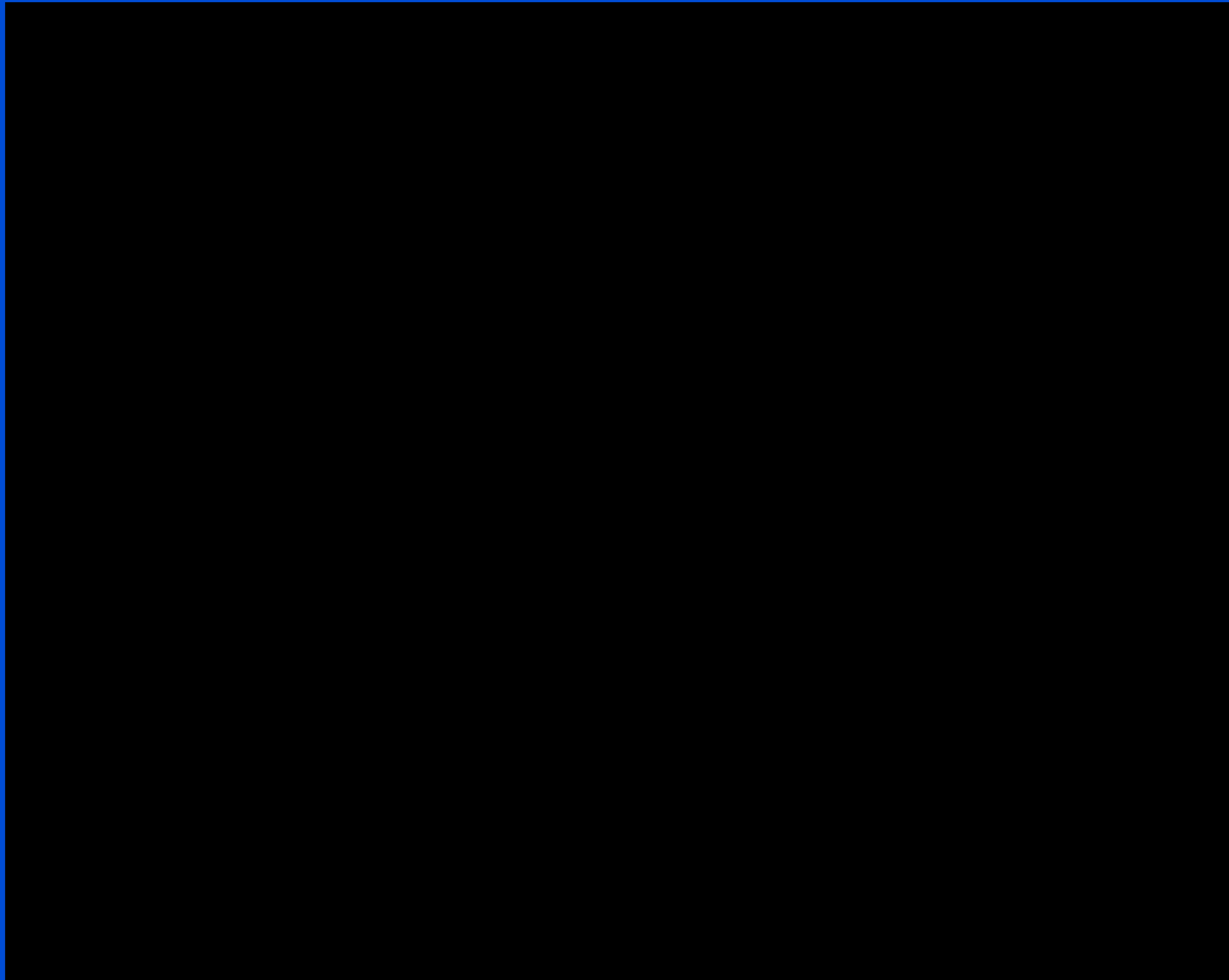
Laser coagulation

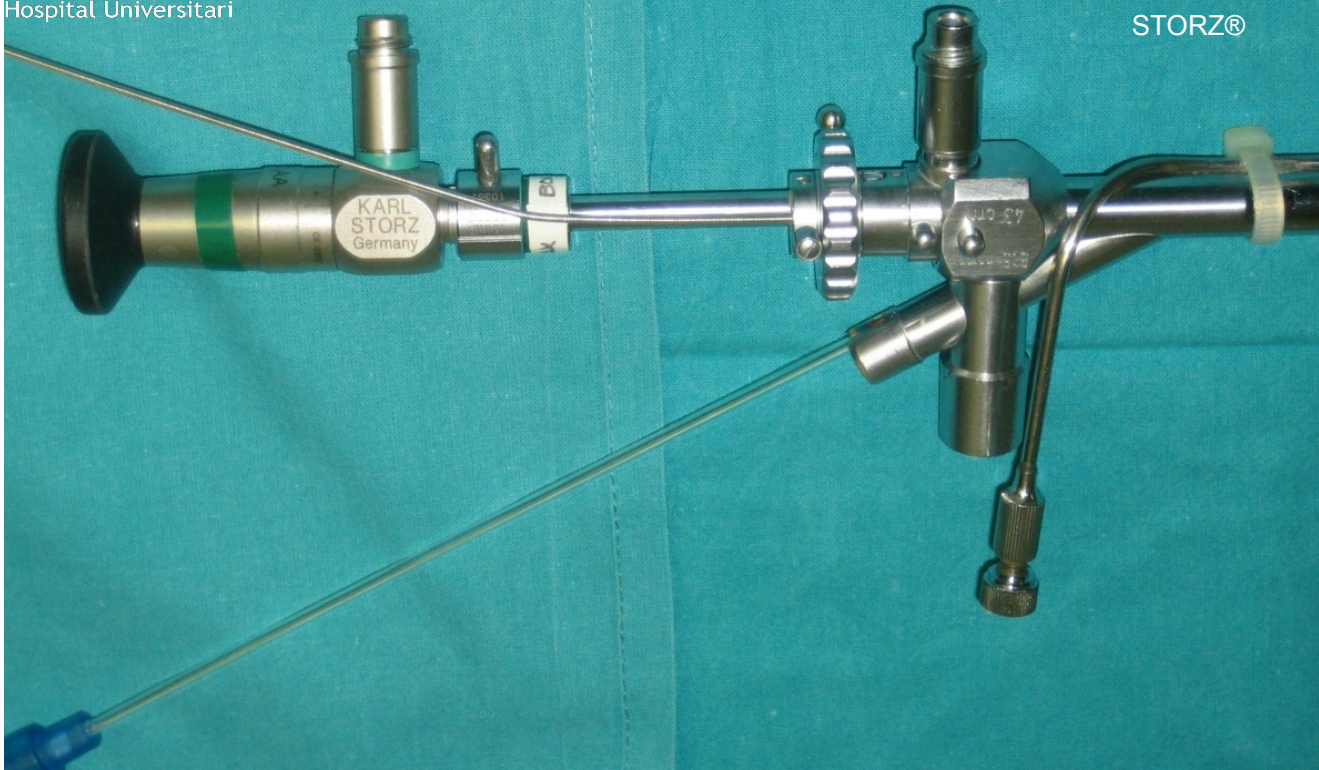
BRONCHOSCOPIC RESECTION

Dilatation

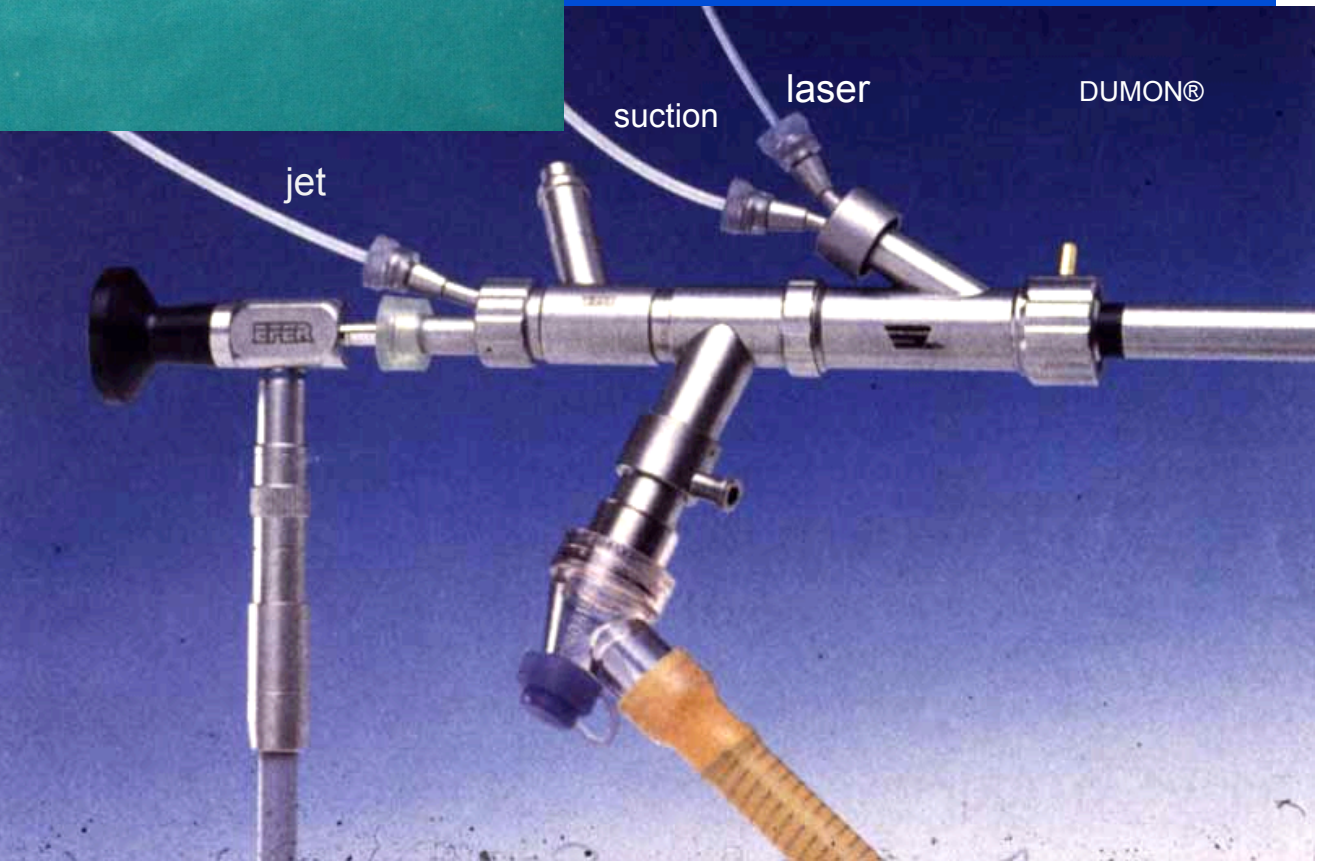
Tumor core out and debulking
Aspiration of tumour debris
Removing tumour fragments by grasping forceps

~~SINGLE LASER RESECTION~~





Equipment and technical procedures



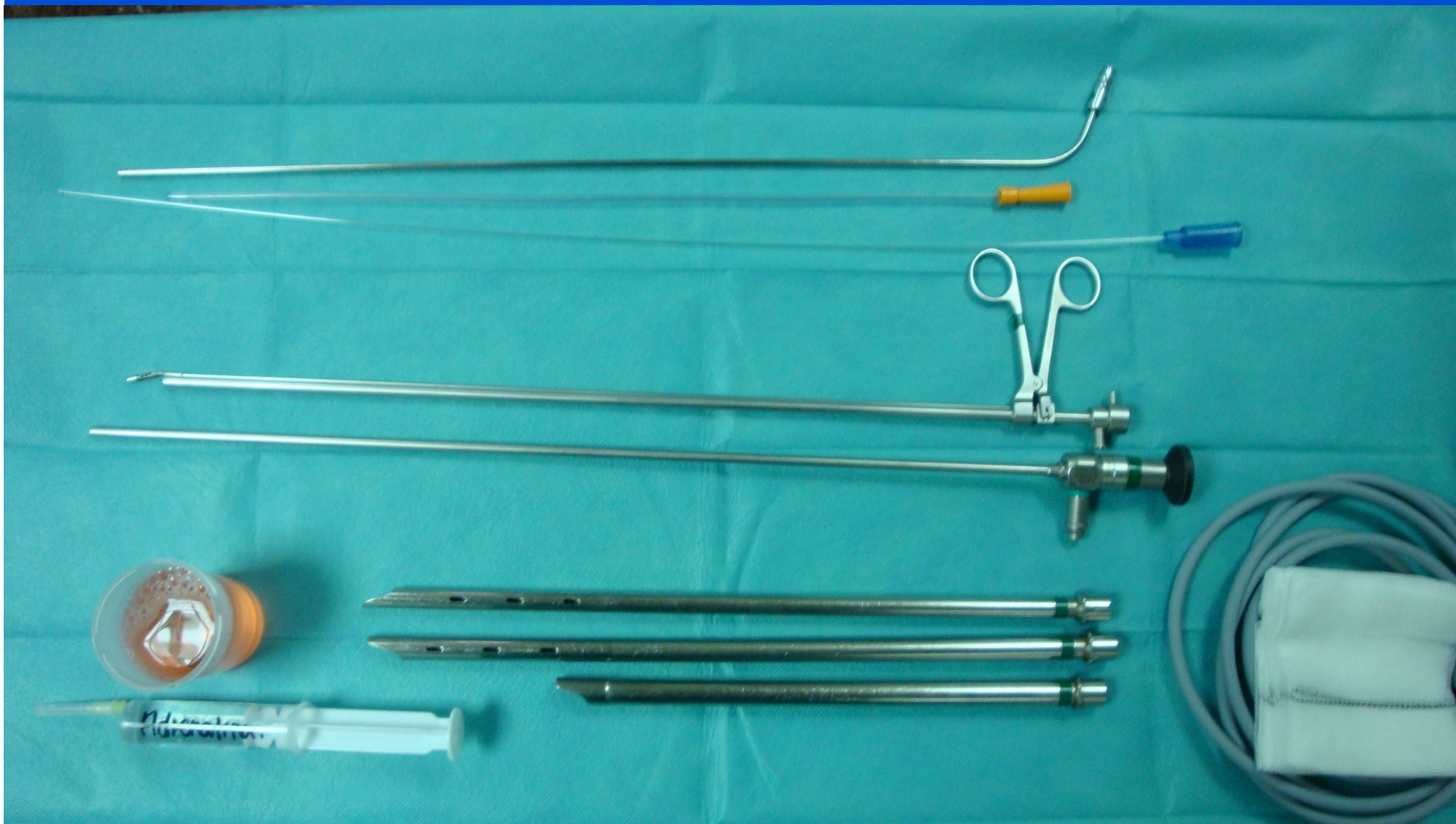
The simplest is the best!



Working chanel



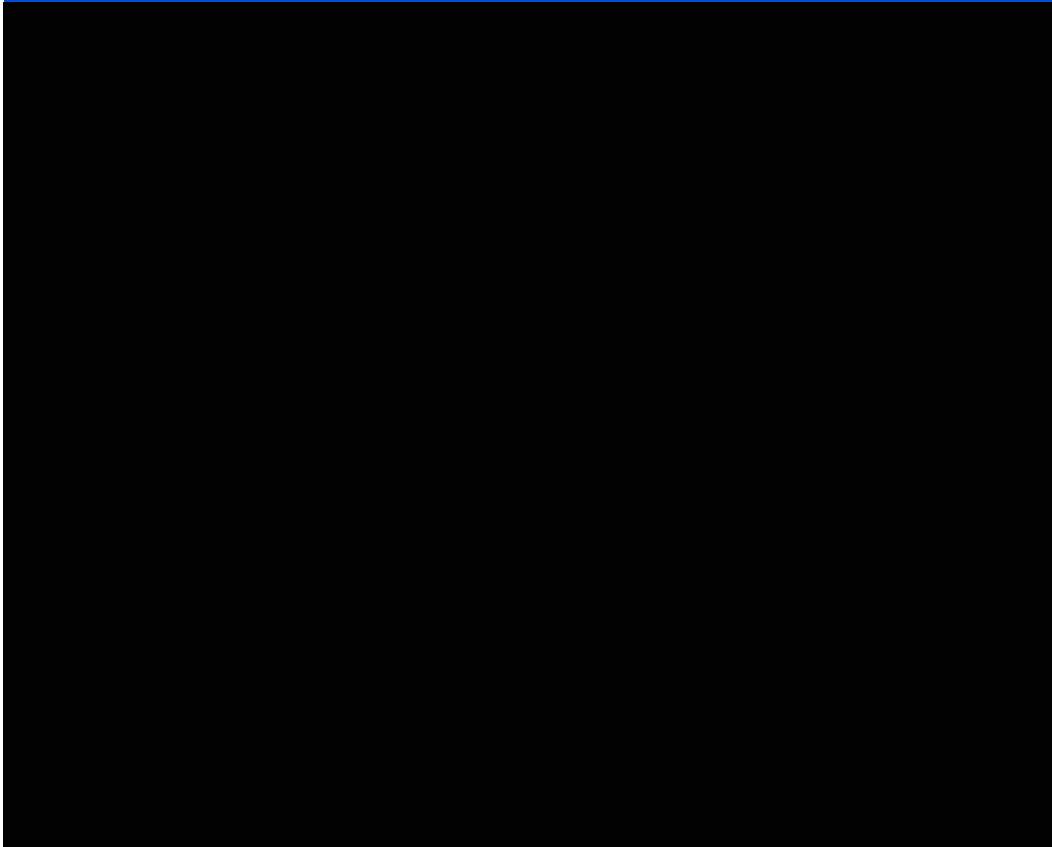
Basic instrumental



TYPES OF STENT

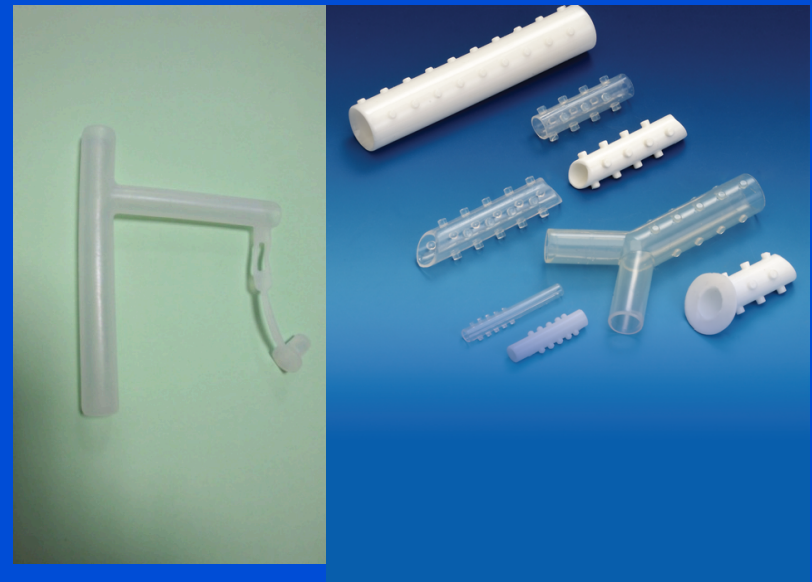
Types of stent

Metallic stents



1) malignant airway obstruction, traqueo-esofageal fistula

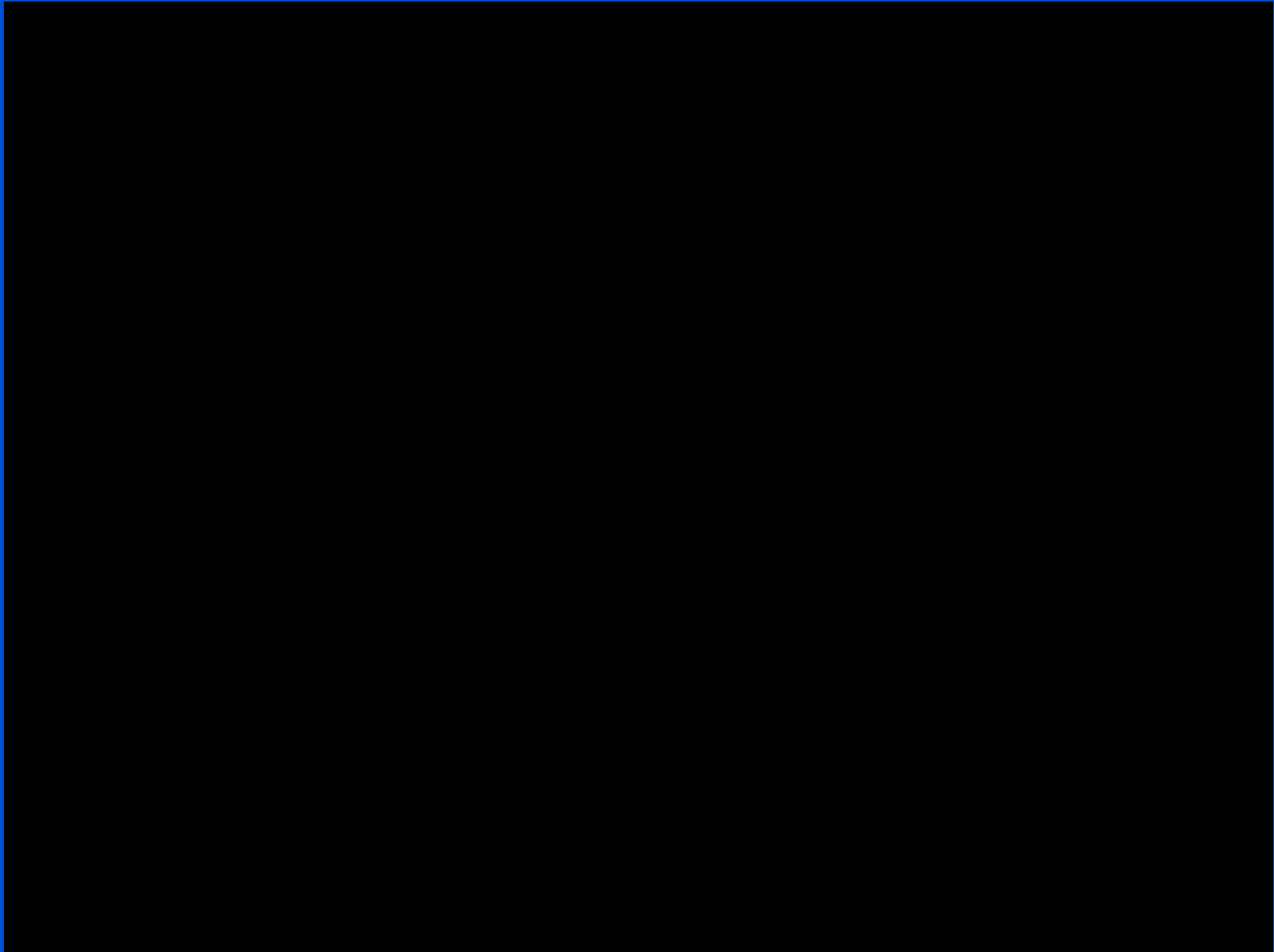
Silicon stents



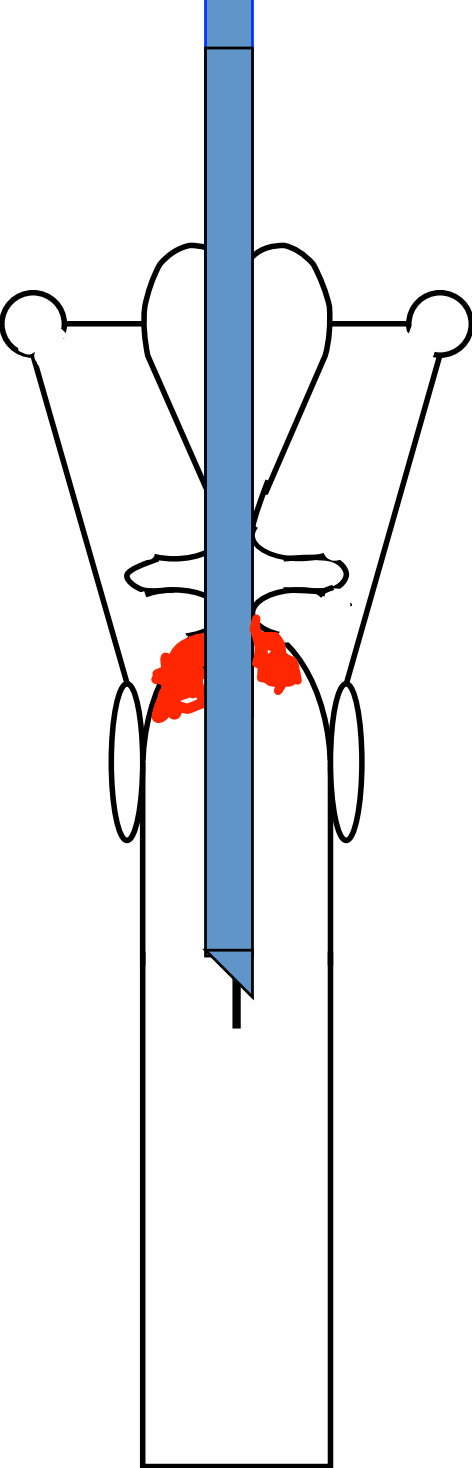
1) benign airway obstruction (tracheal stenosis, or malacia)

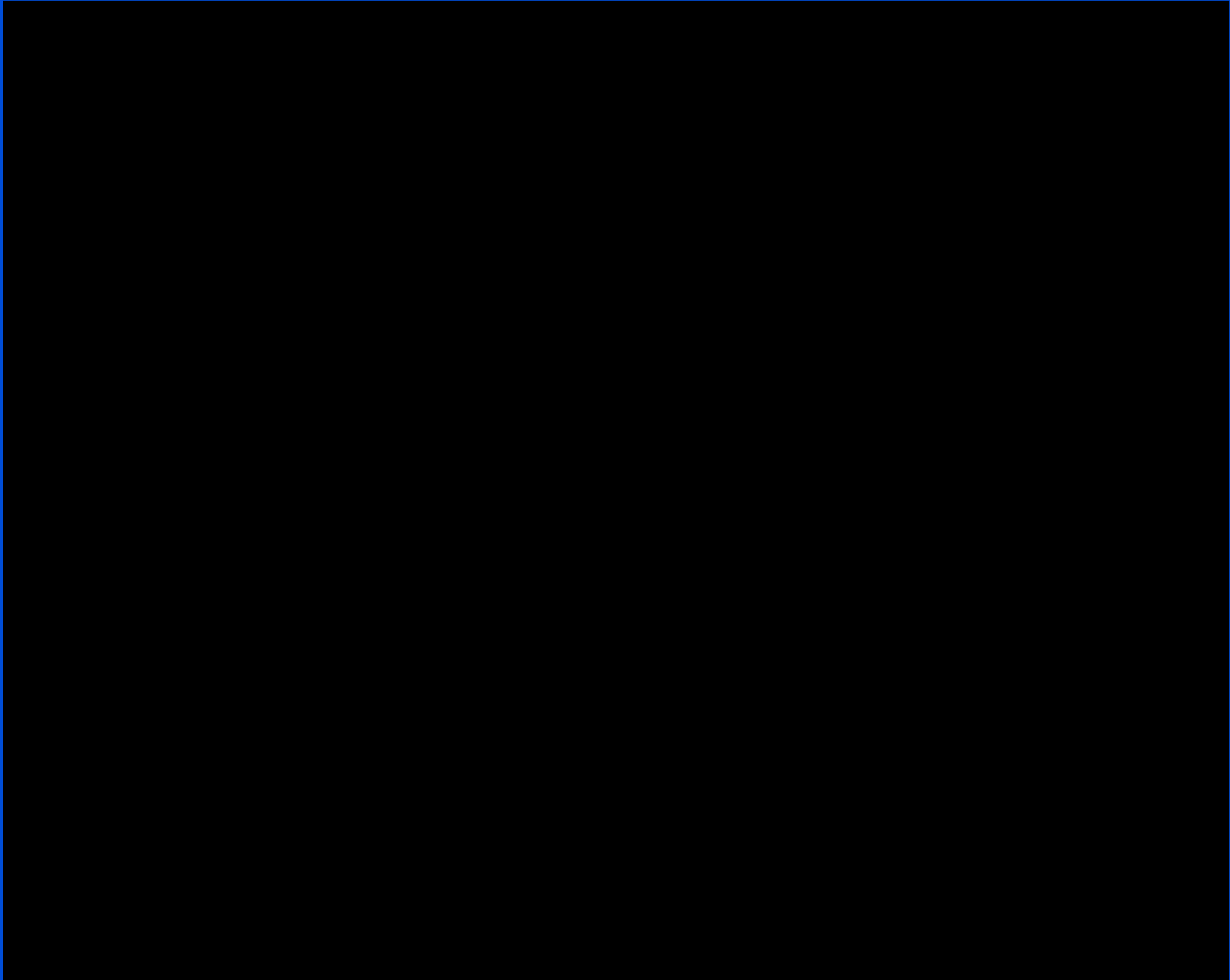
2) malignant obstruction

METALIC STENTS COMPLICATIONS



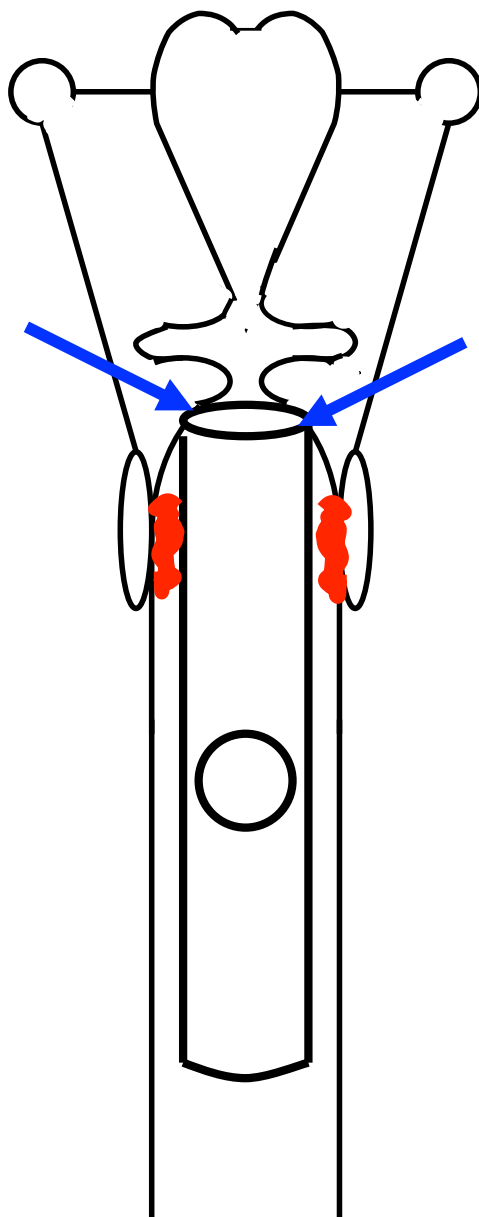
Subglottic lesions
Difficult to manage



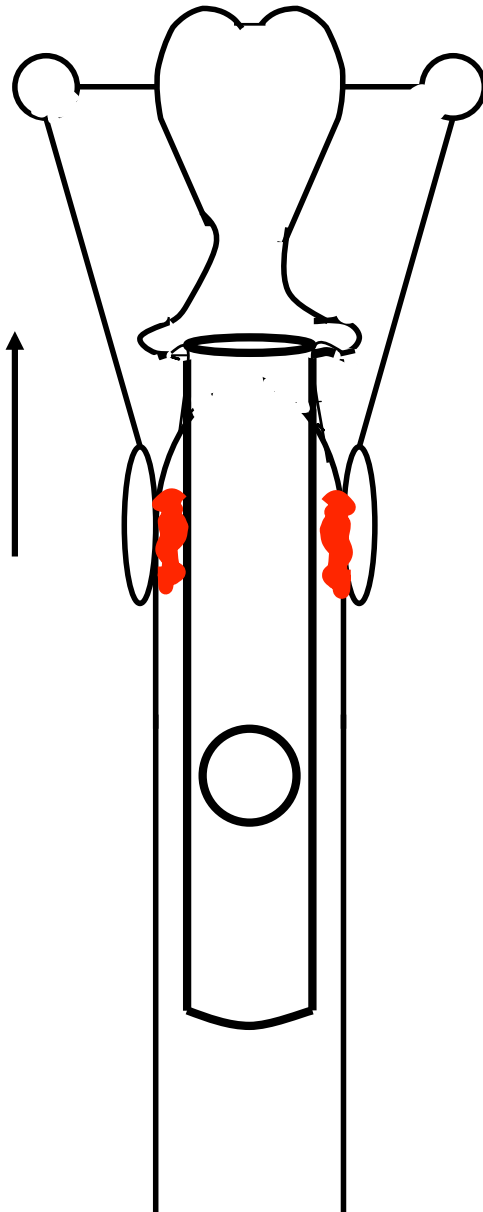


SUBGLOTTIC CILINDROMA

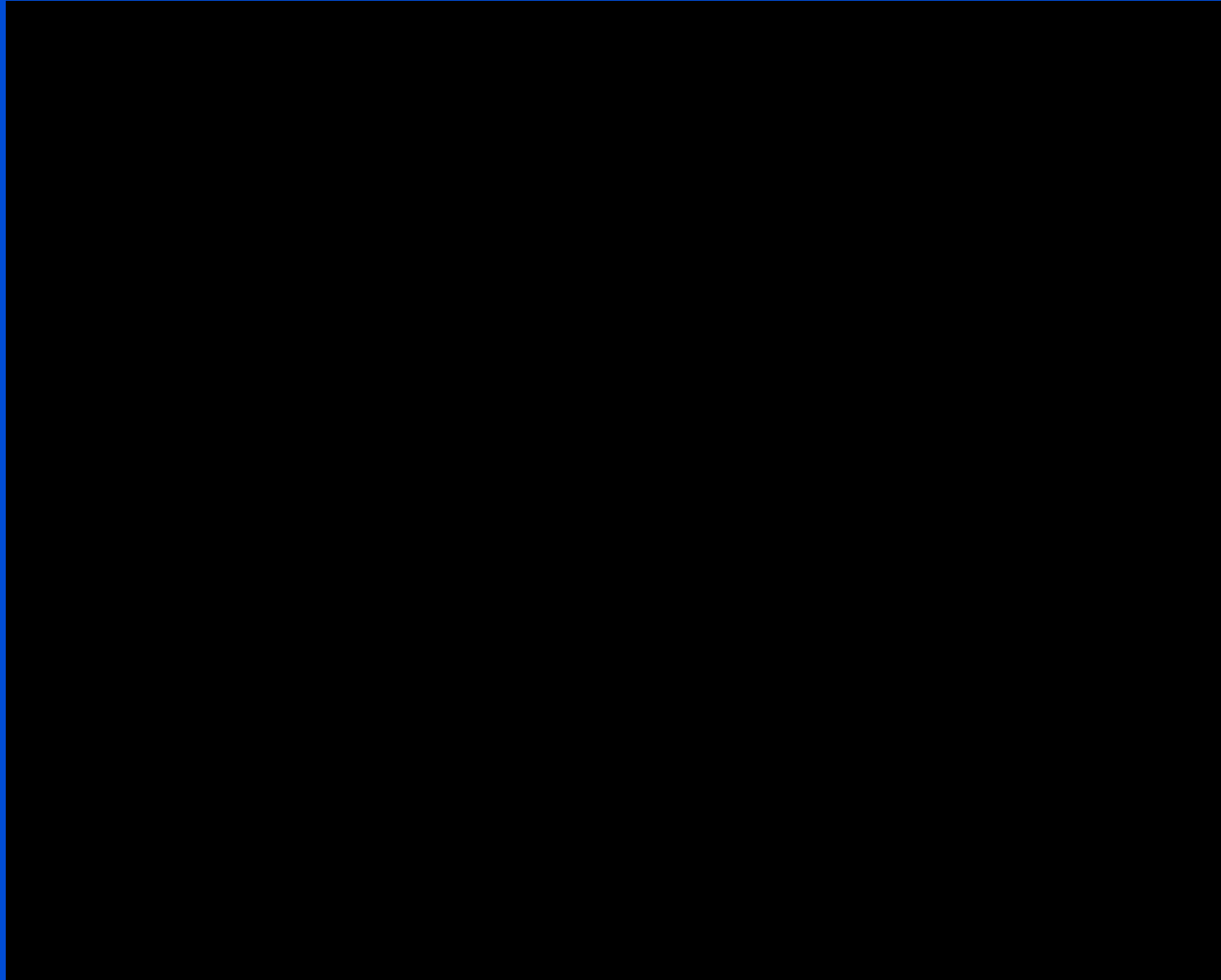
subglottic stenosis; difficult to stent



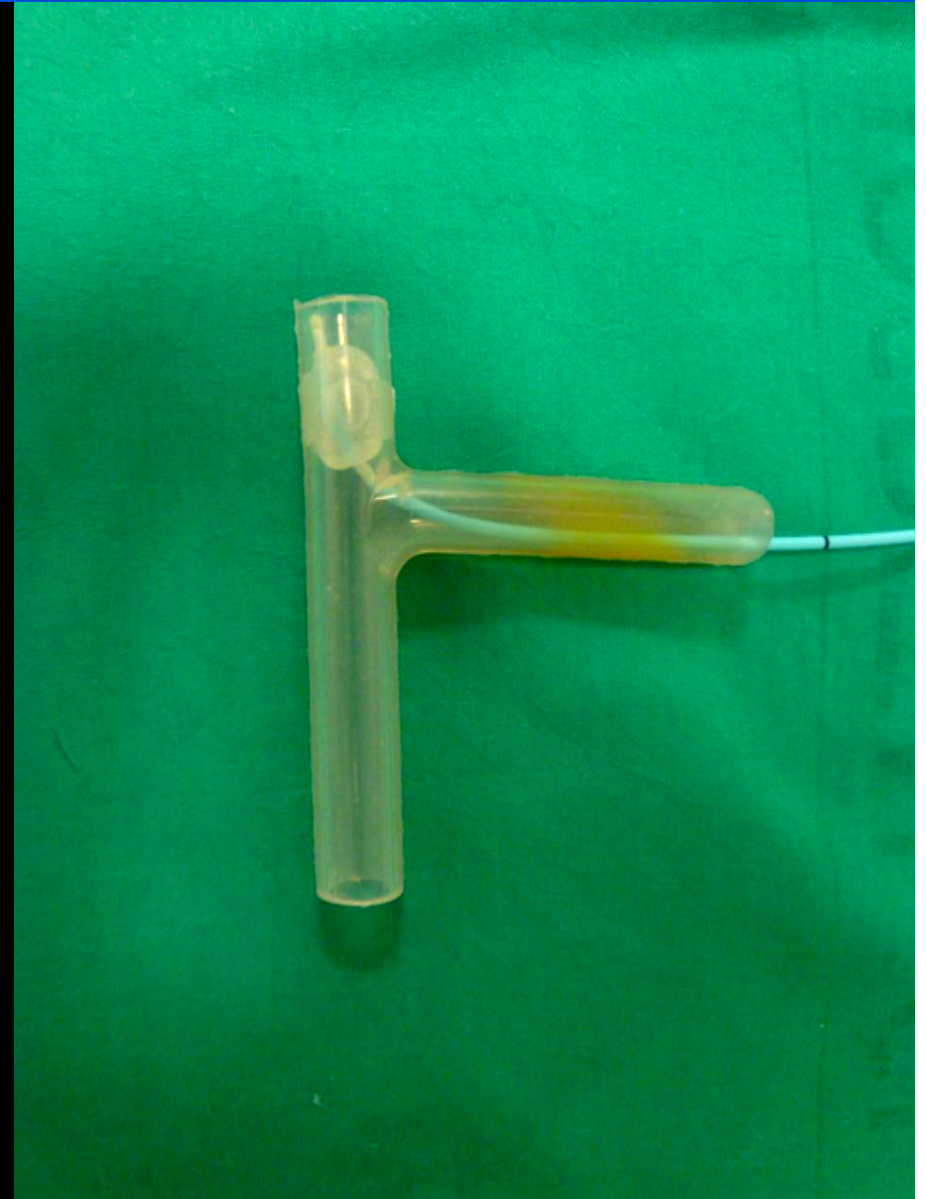
trasglottic position



Subglottic stenosis stented with a T tube



Correct trasglottic position
Swallow and aspiration problems

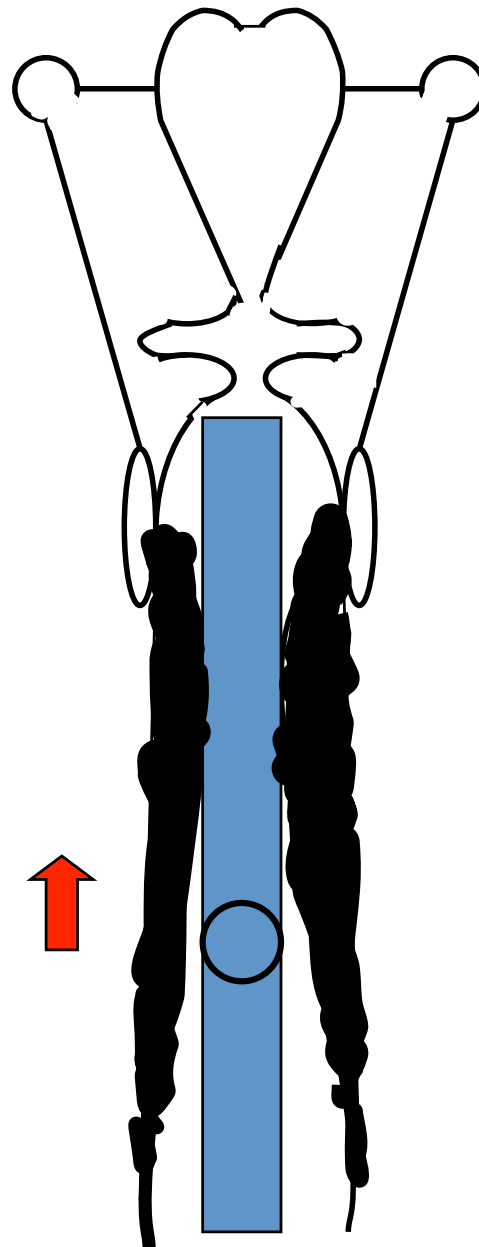


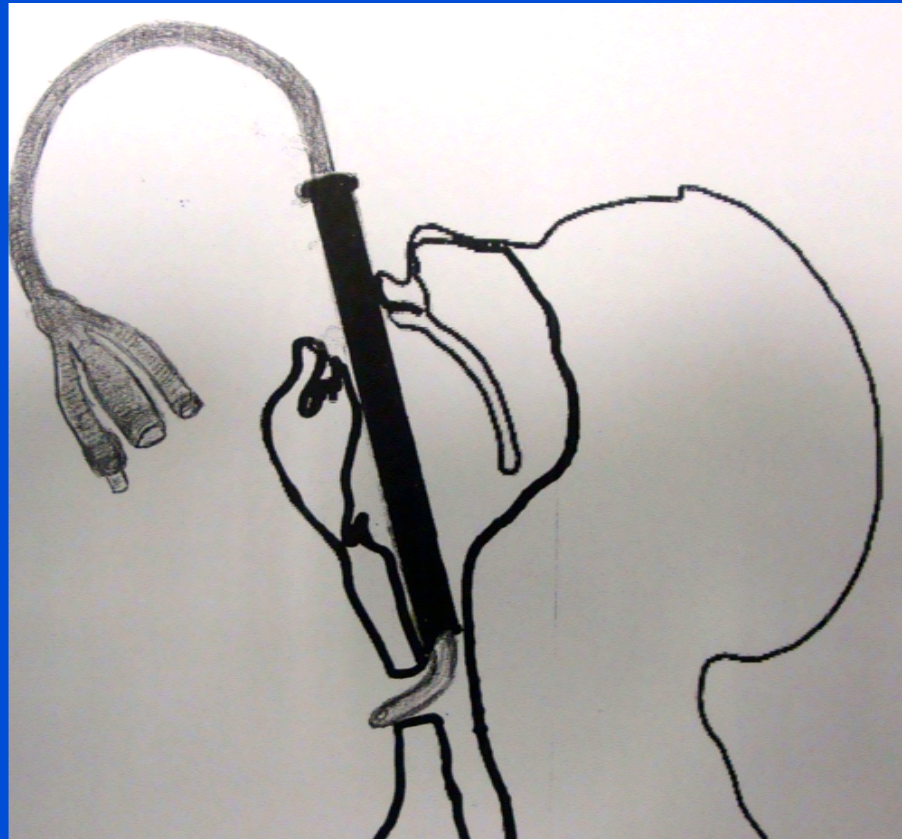
Technique of T Tube insertion

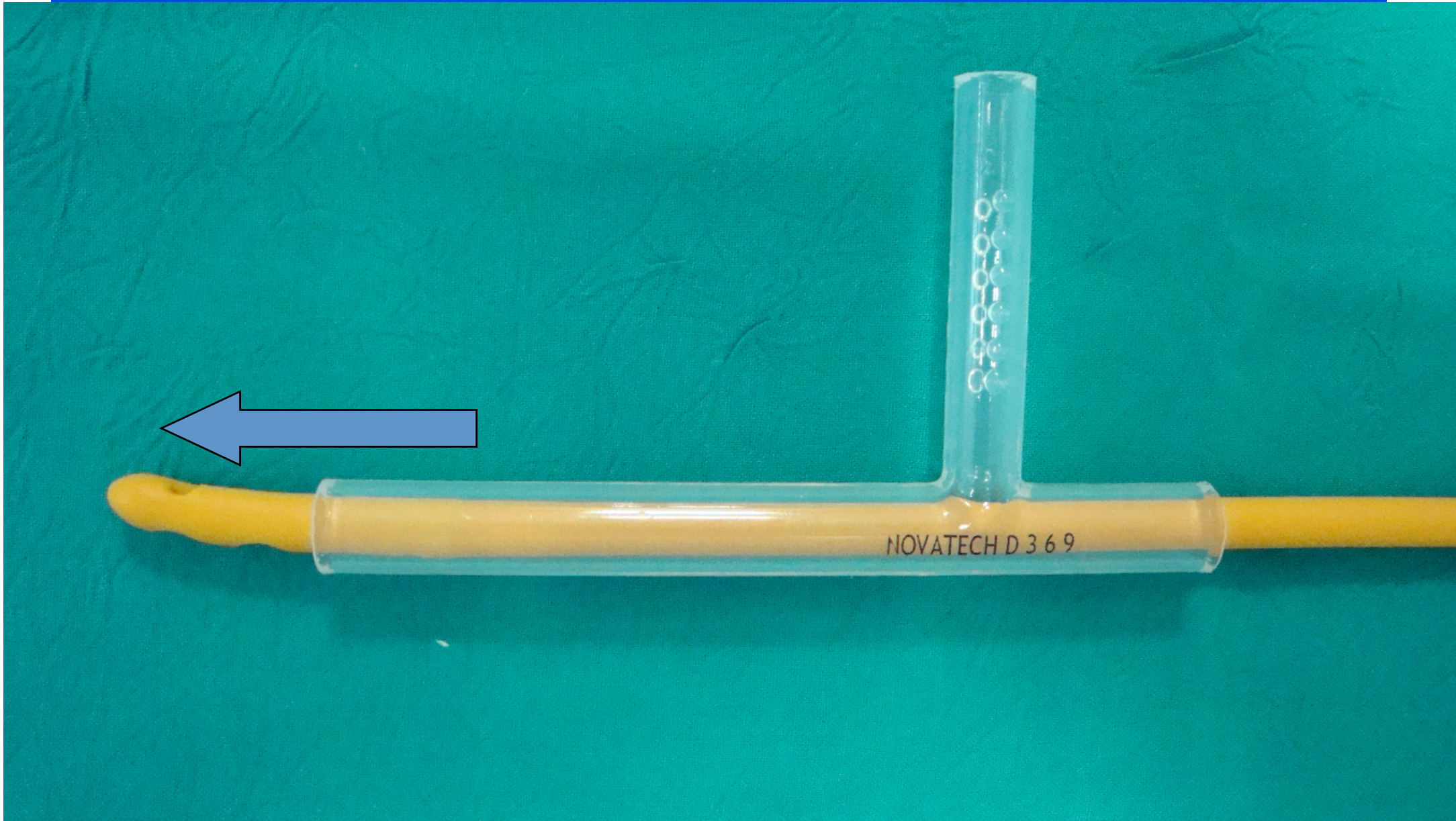
Montgomery insertion

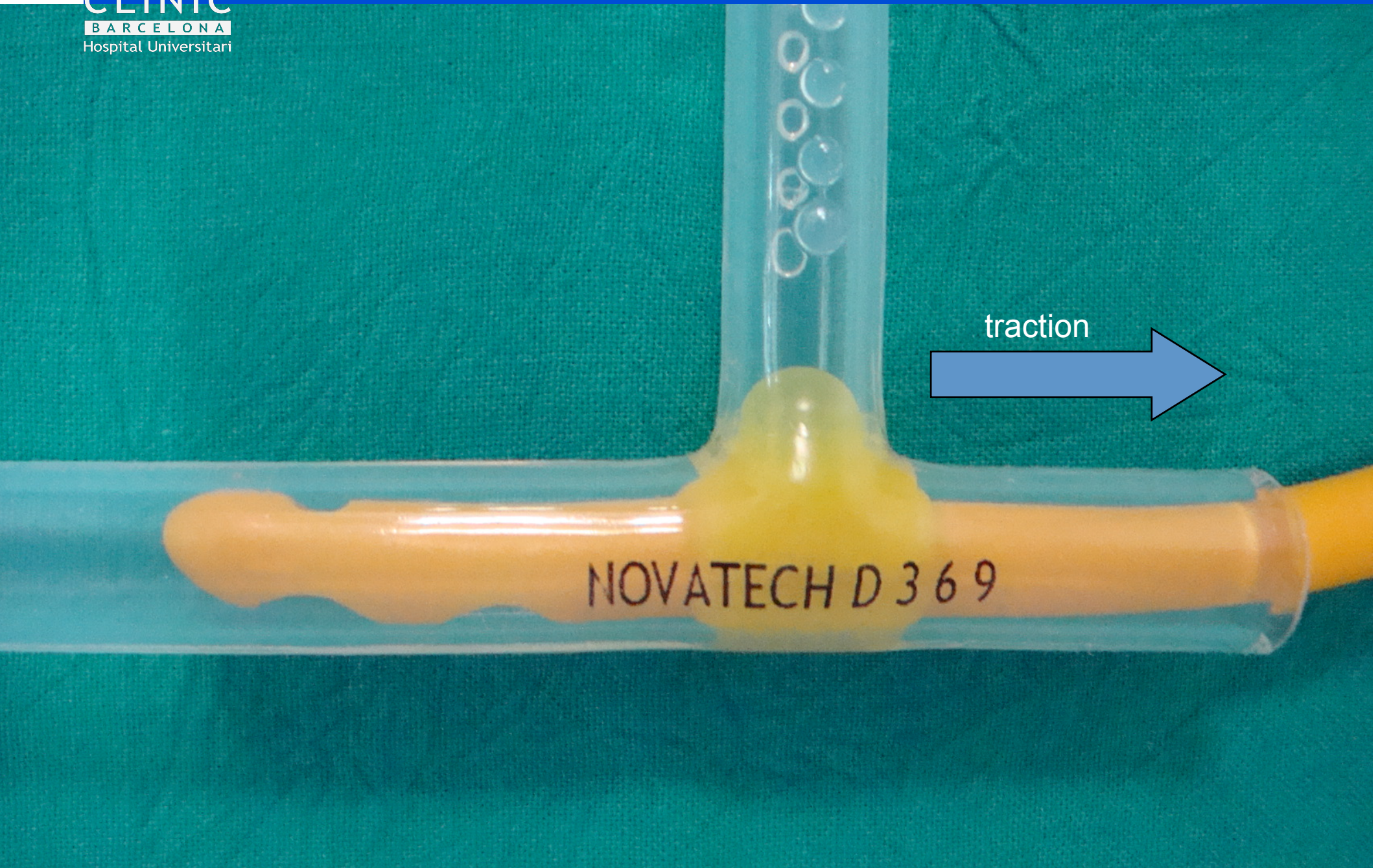


T montgomery insertion in patients with a low tracheostoma









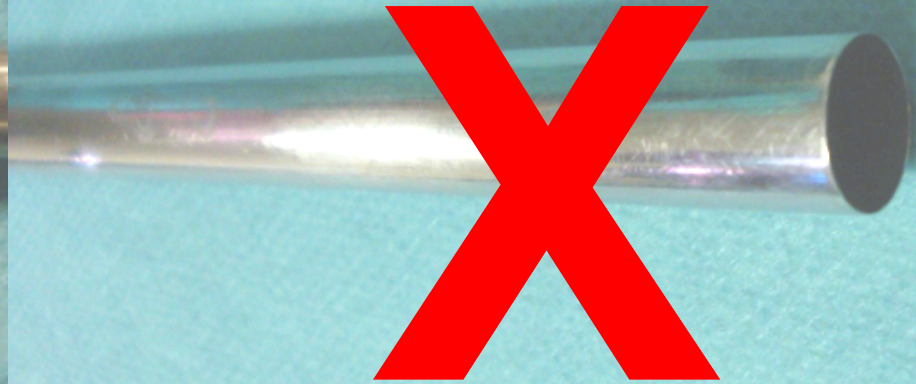
traction

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Technique of Dumon stent insertion

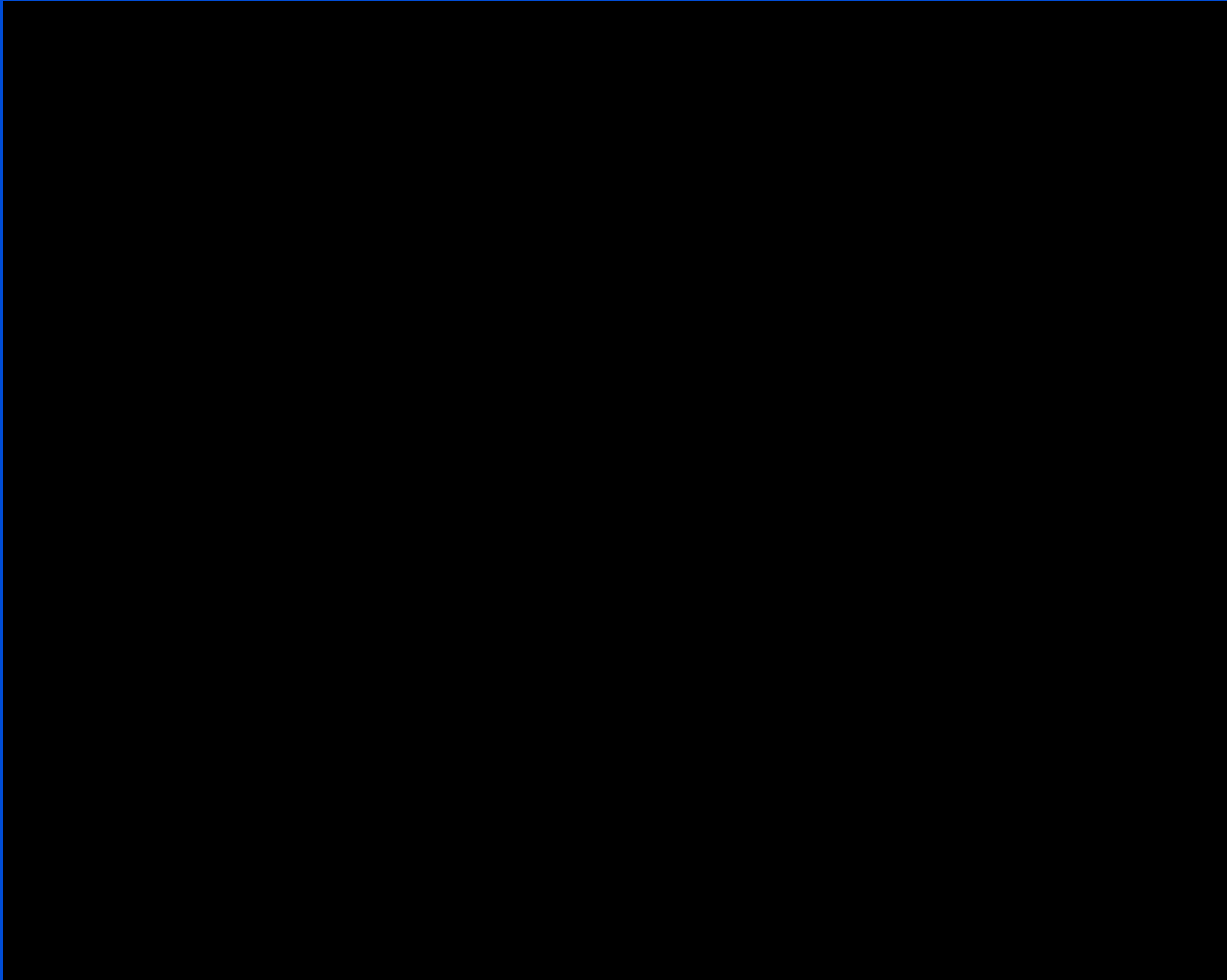


Dumon® bronchoscope



Dumon® stent introducer





Insertion Dumon stent

