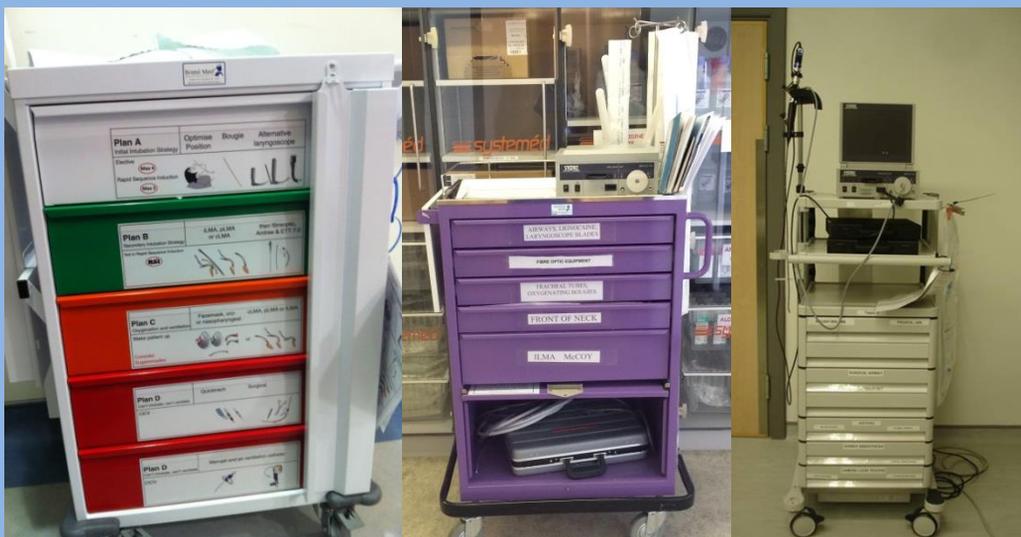


# Difficult Airway Trolley (DAT)

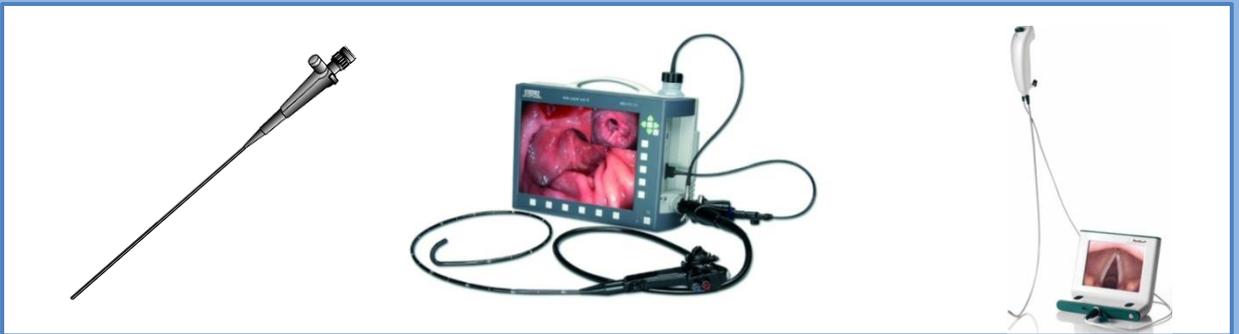
What does the ideal DAT look like?

- Top work surface and 4-5 drawers
- Mobile
- Robust
- Stocked in a logical sequence
- Clearly labelled
- Easily cleaned
- Attached documentation
  - DAS/modified local guidelines
  - Checklist for restocking
  - Logbook for daily checking
- Reproducible



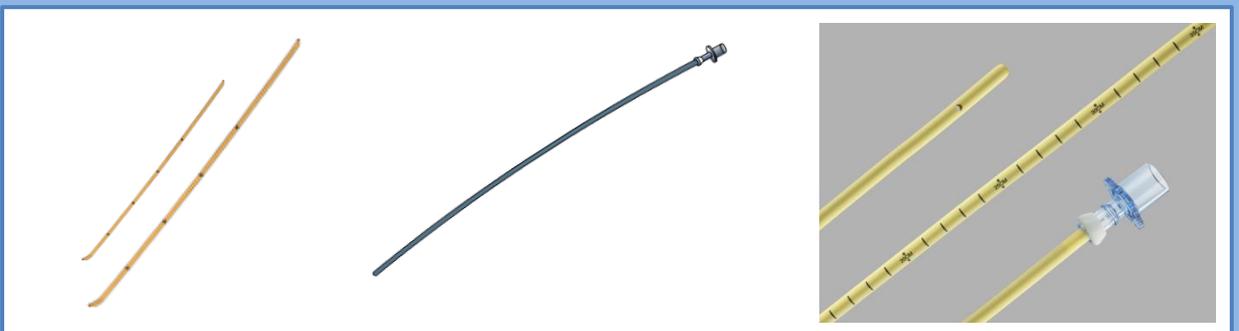
# Top of trolley

- Flexible intubating fibroscope
  - portable scope with battery light source
  - portable stack system  
e.g. Storz Tele Pack
  - or single use fibroscope  
e.g. Ambu aScope



# Side of trolley

- Bougies – adult and paediatric
- Aintree Intubation Catheter
- Airway exchange catheter



# Drawer 1 – Plan A

- Optimise head position
- Bougie
- Alternative laryngoscope



## Contents

- Bougie (ideally on side of trolley)
- Short handle laryngoscope
- McCoy blade and/or straight blade
- Videolaryngoscope



# Drawer 2 – Plan B

- LMA
- Followed by fiberoptic tracheal intubation through LMA



## Contents

- LMA #3,4,5 &/or 2<sup>nd</sup> generation device #3,4,5
- Intubating LMA (iLMA) #3,4,5
- Aintree Intubating Catheter (ideally on side of trolley)
- Fiberoptic adjuvants\*



# Drawer 2 – Plan B

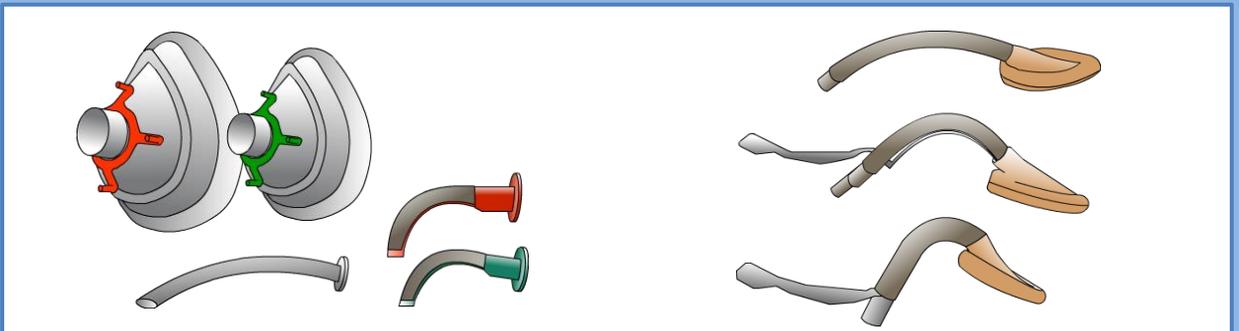
- Fibreoptic adjuvants\*
  - Berman/Ovassapien airways
  - Mucosal atomisation devices
  - Fibrescope-compatible angle connector
  - Nasal sponge
  - 4% lignocaine
  - 10% lignocaine
  - Instillagel
  - Co-phenylcaine

(\*Alternatively these can be stored in a separate storage box which accompanies the trolley)



# Drawer 3 – Plan C

- Bag mask ventilation +/- airway adjuncts
- Supraglottic airway device



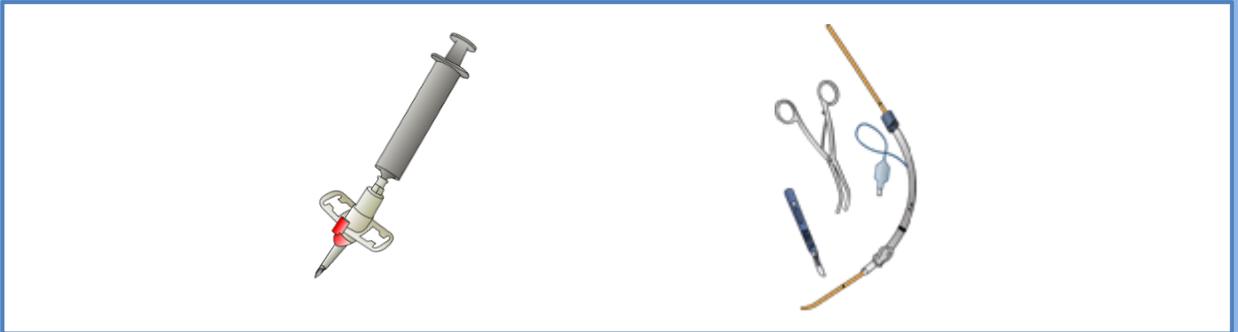
## Contents

- Facemasks – various sizes
- Oropharyngeal airways – various sizes
- Nasopharyngeal airways – various sizes
- LMA/Proseal LMA - #3,4,5



# Drawer 4 – Plan D

- Surgical cricothyroidotomy



## Contents

- Large bore cannula device  
eg. Quicktrach I or II (VBM)
- Scalpel (No. 20 blade)
- Tracheal dilator or tracheal hook
- Bougie
- Cuffed tracheal tube #6 & 7



# Drawer 5 – Plan D

- Cannula cricothyroidotomy



## Contents

- Kink-resistant jet ventilation cannula  
e.g. Ravussin (VBM)
- High &/or low pressure ventilation system  
e.g. Manujet III (VBM)  
Ventrain (Ventinova)



# Miscellaneous

- DAS intubation guidelines (laminated)
- Or locally agreed algorithms
- Equipment checklist for re-stocking
- Logbook for daily checking procedures

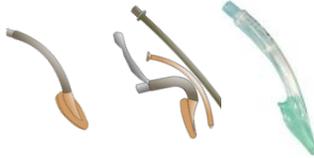
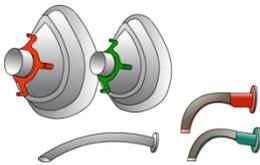
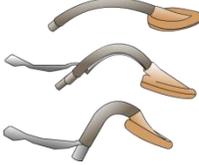
May also consider:

- Specific extubation aids/equipment  
eg. Staged Extubation Set (Cook Medical)
- Extubation guidelines (laminated)

# Plan vs Strategy

- An airway plan suggests a single approach to management of the airway.
- An airway strategy is a co-ordinated, logical sequence of plans, which aim to achieve good gas exchange and prevention of aspiration.
- Anaesthetists should approach airway management with strategies rather than plans.
- **Difficult Airway Management Strategy (DAMS)**
  - Generic strategy before each list/case
  - Specific strategy before anticipated difficult airway cases
- Reinforces
  - Knowledge
  - Preparation
  - Teamwork

# Suggestions for drawer labels

<p><b>Plan A</b> Initial intubation strategy</p>	<p>Optimise position</p>	<p>Bougie</p>	<p>Alternative laryngoscope</p>
<p><b>Remember to <u>move on</u> if not making progress</b></p>   			
<p><b>Plan B</b> Secondary intubation strategy</p>	<p>LMA device</p>		<p>Fibreoptic intubation</p>
<p><b>Remember to <u>move on</u> if not making progress</b></p>  			
<p><b>Plan C</b> Maintain oxygenation</p>	<p>Facemask +/- airway adjunct</p>		<p>LMA device</p>
<p><b>Postpone surgery Awaken patient</b></p>  			
<p><b>Plan D</b> Can't intubate, can't ventilate</p>	<p>Cannula cricothyroidotomy</p>		
<p><b>Remember to <u>move on</u> if not making progress</b></p> 			
<p><b>Plan D</b> Can't intubate, can't ventilate</p>	<p>Surgical cricothyroidotomy</p>		
<p><b>Remember to <u>move on</u> if not making progress</b></p> 			

# Drawer Labels

- The drawer labels can be customised as required to illustrate the particular type of equipment present in the various drawers.
- The specific make and model of equipment should be agreed locally with regular, comprehensive and continued training provided for all relevant staff.
- The examples of equipment given in these guidelines serve only as a guide and should not be considered as absolute recommendations by DAS.

# Remember

- A clearly labelled trolley will also serve as a visual guide and prompt one to move along the strategy if not making progress.
- What is most important is providing:
  - the right equipment
  - in the right amount
  - in the right place
  - at the right time

**Know what you need - PLAN**

**Know who you need - COMMUNICATE**

**Have what you need - PREPARE**

**Do what you need - TRAIN**