

Dave Albert

ENT 2002

Advances in Paediatric ENT

How do we advance in surgery?

- Great minds?
- Luck?
- Years of patient research?

R-T-W: Sailing advances since Magellan

- Skill in sailing?
- Innovation
- Equipment
 - carbon fibre/Kevlar
- General health
 - scurvy
- Navigation



R-T-W: Sailing advances since Magellan

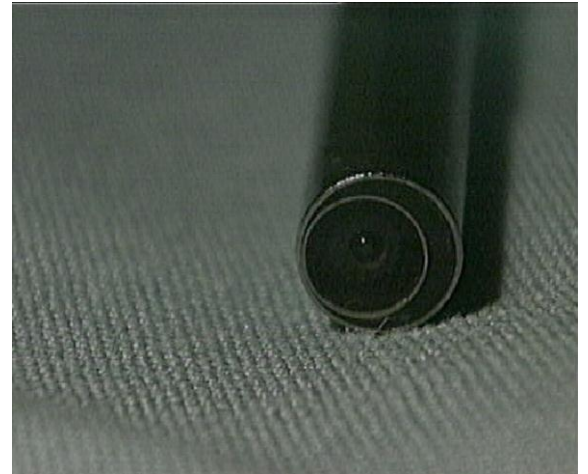


Advances in Paediatric ENT

- Surgical practice -
 - *Old ideas revisited*
 - Surgical excision of subglottic haemangioma
 - cricotracheal resection

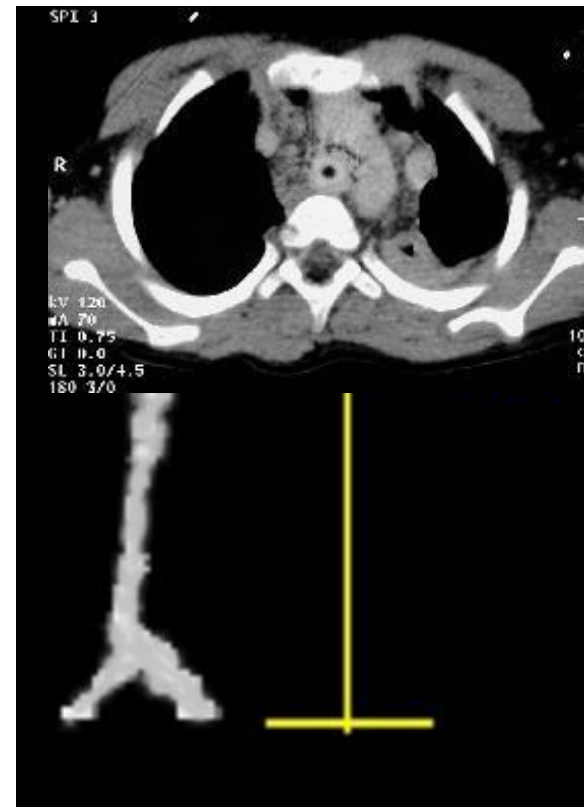
Advances in Paediatric ENT

- **Equipment**
 - Endoscopy



Advances in Paediatric ENT

- **Equipment**
 - Endoscopy
 - Imaging



Advances in Paediatric ENT

- **Equipment**
 - Endoscopy
 - Imaging
 - LASER



Advances in Paediatric ENT

- **Drugs**

- **Mitomycin** (antineoplastic agent prevents fibrin activation)

- **Cidofovir** (antiviral)

Advances in Paediatric ENT

- **Support services**
 - Anaesthesia
 - ITU

Paediatric ENT

- Laryngology
- Otology
- Head and neck
- Rhinology

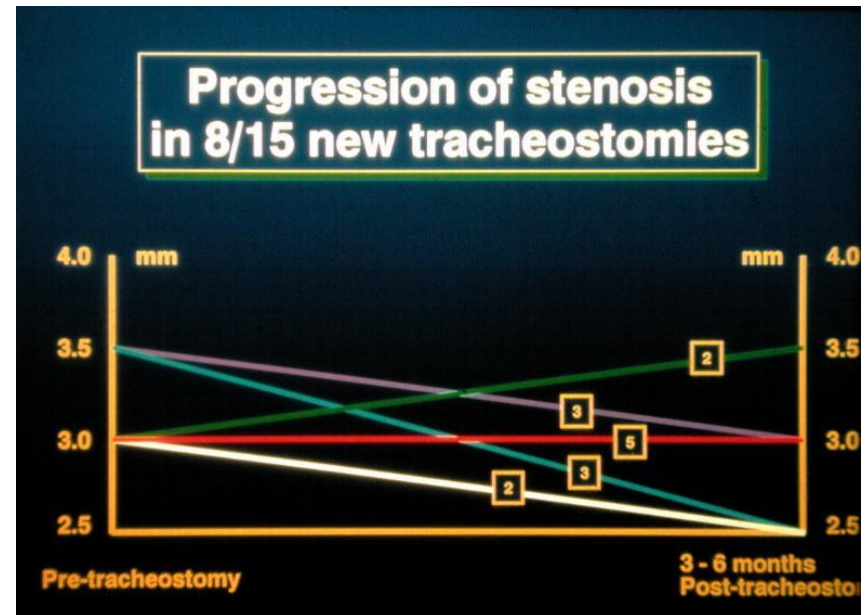
Laryngology

- Stenosis surgery
 - Prevention
 - Cricotracheal resection
 - Tracheal homografts
 - Tracheal stents/balloon dilatation

Preventing subglottic stenosis



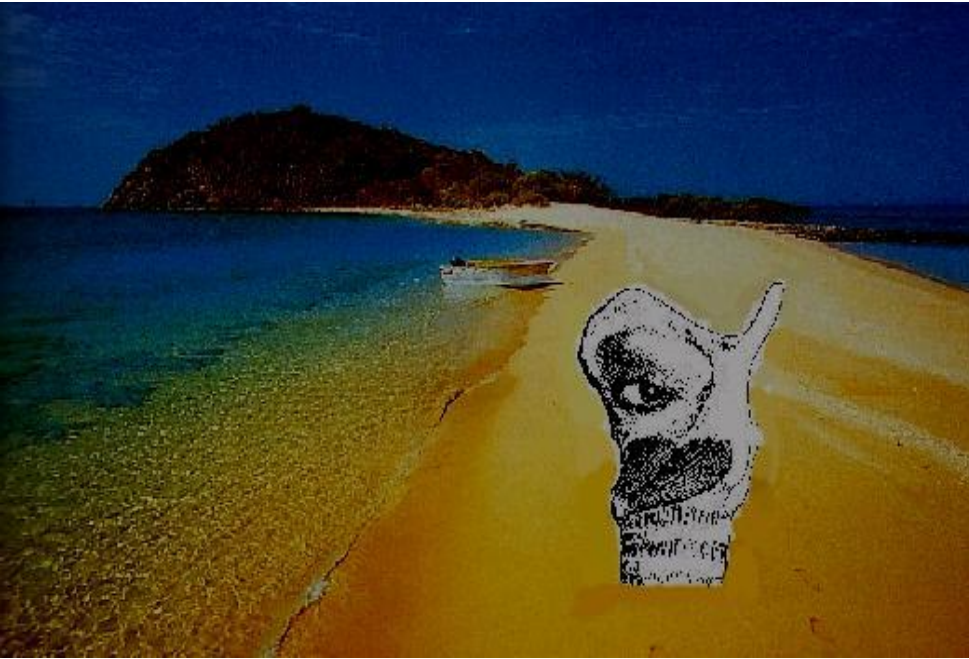
- Progression without stenting effect of ET



Preventing subglottic



- Laryngeal Rest

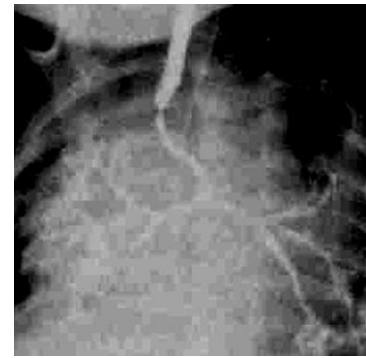


Laryngology

- Laryngeal Stenosis
 - Prevention
 - Cricotracheal resection



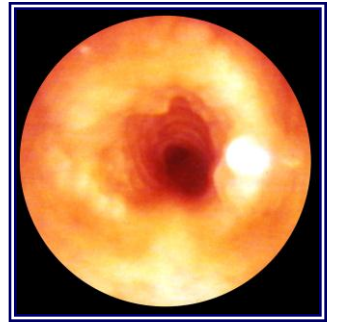
Laryngology



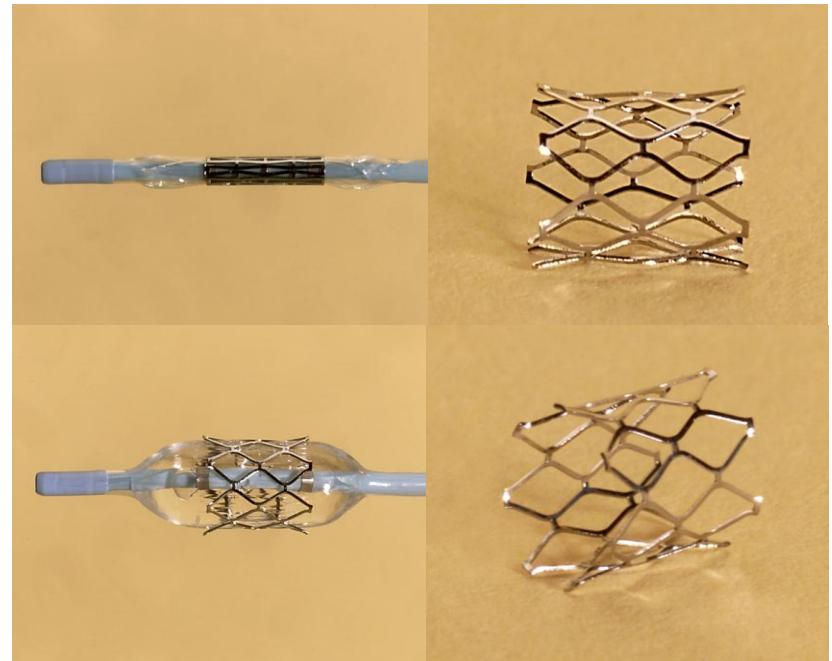
- Tracheal stenosis
 - Prevention
 - Cricotracheal resection
 - Tracheal homografts



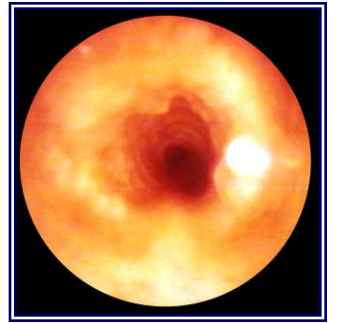
Laryngology



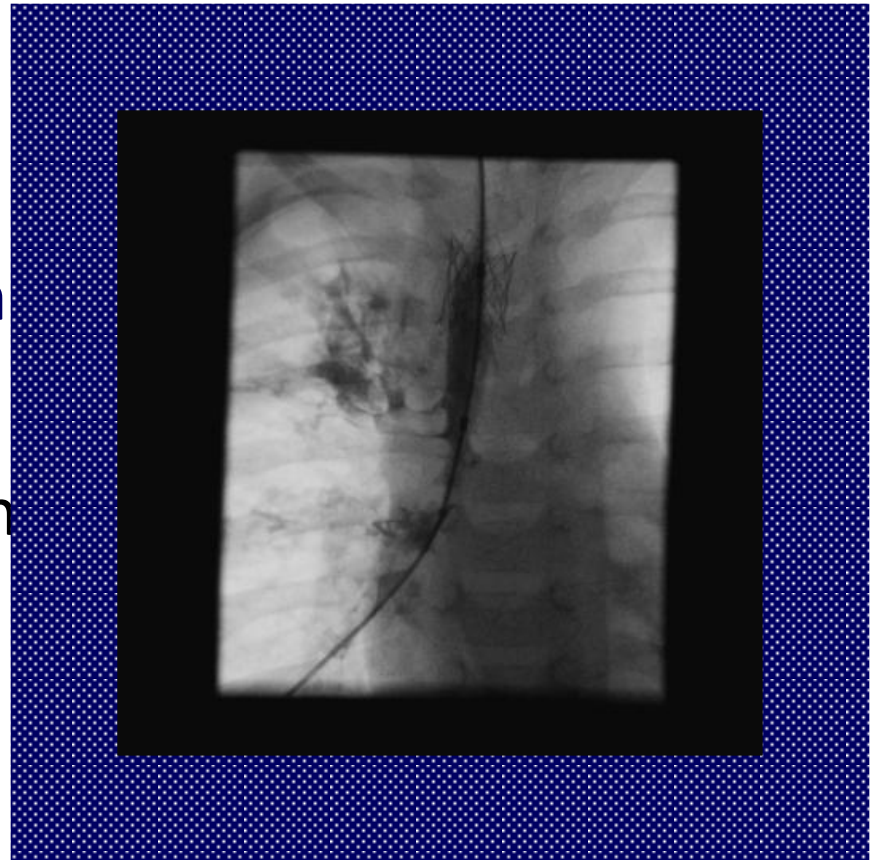
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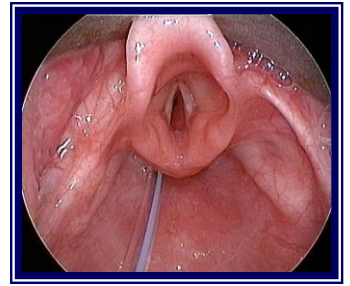
Laryngology



- Tracheal stenosis
 - Prevention
 - Cricotracheal resection
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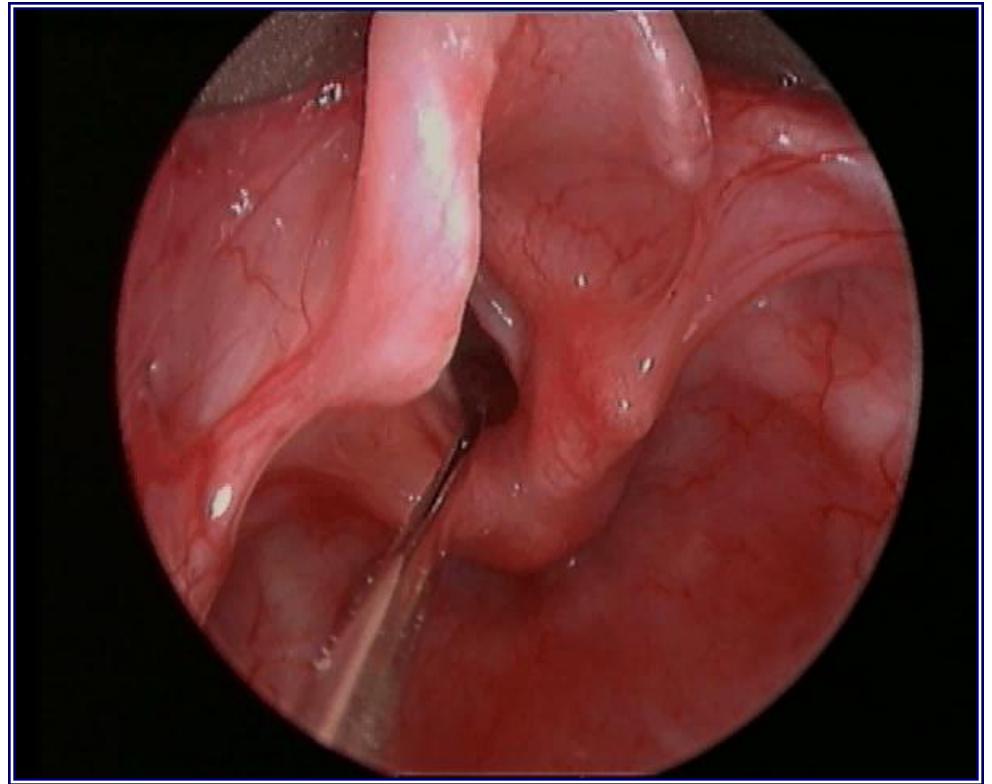
Laryngology



- Haemangioma

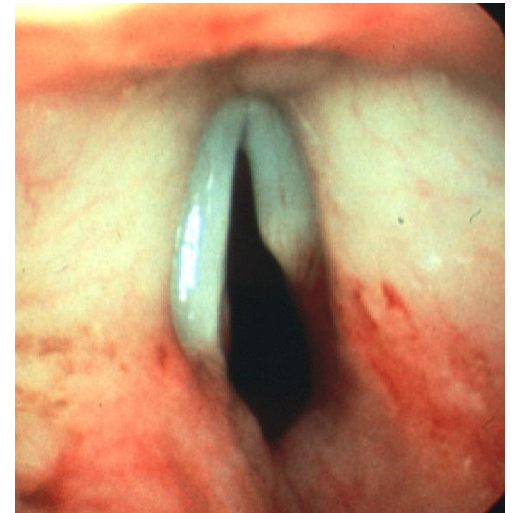
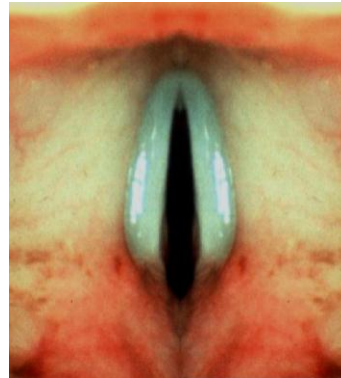
- Injection

- Resection

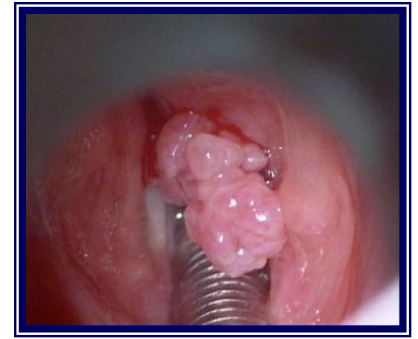


Laryngology

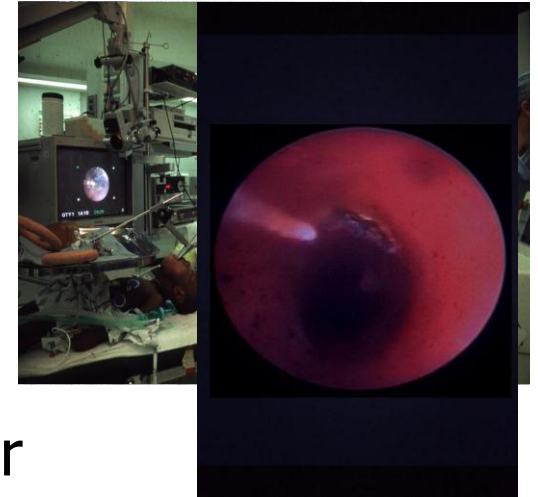
- Vocal cord palsy
 - early cordotomy?



Laryngology



- Papillomatosis



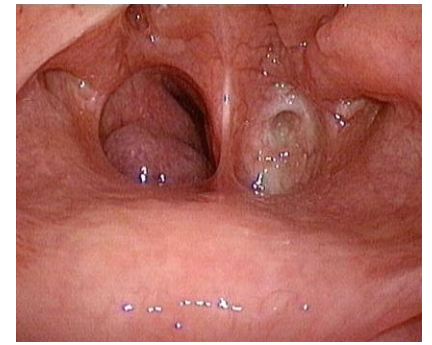
Microdebrider

Intralesional cidofovir

KTP laser

Rhinology

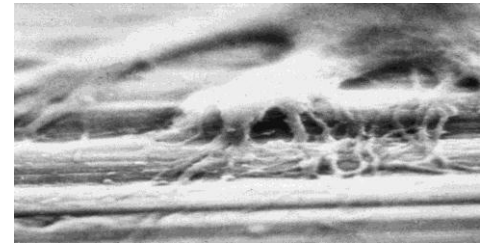
- Adenoidectomy
- Choanal atresia
 - KTP
 - Mitomycin
 - navigation systems



Otology

- Cochlear implant
 - age
 - incision
 - electrode

Otology



- Microtia
 - osseo integration
 - rib reconstruction



The future

- Continued expansion of paediatric ENT as a speciality
- further advance thanks to
 - equipment
 - drugs
 - genetic engineering
 - surgical practice