

Clinical background and preoperative evaluation

- 15-year old boy, 35 kg, with long tract signs from compression of the cervical spine
- History of noisy breathing and OSA
- Pre-operative CT thorax showed narrowing at laryngeal level and lower in the thorax
- Procedure initially delayed due to concern of tracheal stenosis
- Preoperative plan: examine fiberoptically and decide whether to proceed

CT thorax and bronchoscopy

- Glottic narrowing
- Kinking in trachea

Between evaluation and procedure

- 3 episodes of collapse, 2 requiring resuscitation, over 3 months



Procedure

- Anaesthetised in lateral position with sevoflurane in oxygen
- Fiberoptic intubation using a small plain tube
- Tracheostomy performed with the tip placed distal to the tracheal narrowing
- Procedure carried out and good recovery