Tonsil surgery

Pros and cons of different techniques
Mini course

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Programme

• Lectures
• Introduction
• Tonsillotomy
• Posttonsillectomy haemorrhage
• Pain and pain management

• Coffee

• Hands-on
• Practical training
• Surgical videos
• Quiz
History

- **Aulus Cornelius Celsus**
  - First authentic report, 30 A.D
  - “the tonsils are loosened by scraping around them and then torn out”

- 19th century, tonsillar guillotine - tonsillotomy

- **George Ernest Waugh, 1909**
  - Lancet, extracapsular dissection of tonsil

- Intubation – after First World War

- 1950s Tonsillectomy golden standard
Indications
Tonsil surgery - methods

Tonsillectomy (TE)  

Tonsillotomy (TT)
Longitudinal incidence, TE vs TT, of paediatric tonsil surgery

The National Tonsil Surgery Register in Sweden (NTSRS)

- Started in 1997, revision 2009
- Swedish association for Otorhino-laryngology Head and Neck Surgery
- Benign tonsil surgery
- Uses questionnaires for collecting data
- Completeness 2015, 84%
- 61 / 65 surgical centres report to NTSRS
The National Tonsil Surgery Register in Sweden (NTSRS)

Perop form
Patient data
Indication
Surgical technique
Hemostasis technique
Early bleeding

ENT-surgeons
Paper/Online

30-day survey
Late bleeding?
Infection?
Pain?
Correct information?

Patients
E-mail-Mail

6-month survey
Symptom relief?

83,414 registered patients from 2009 to April 2017

www.entqualitysweden.se
Swedish tonsil surgery research

Indirect costs related to caregivers’ absence from work after paediatric tonsil surgery.

Incidence of second surgery following pediatric adenotonsillar surgery: a population-based cohort study.


## Outcome - symptoms

<table>
<thead>
<tr>
<th>Symptom relief reported by patients/caregiver 6 months postop</th>
<th>Tonsil surgery in Sweden 2013-2015 (TT, TTA, TE, TEA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Categorical variables</td>
</tr>
<tr>
<td>My symptoms are gone</td>
<td>69.9%</td>
</tr>
<tr>
<td>My symptoms are almost gone</td>
<td>25.2%</td>
</tr>
<tr>
<td>My symptoms remain</td>
<td>4.5%</td>
</tr>
<tr>
<td>My symptoms have worsened</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

Results from the National tonsil Register in Sweden (NTSRS) 2013-2015
Tonsil surgery - morbidity

- Haemorrhage
- Pain
- Infection