

Management of pediatric OSA

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Treatment modalities

- **Surgery**
- **Medications**
- **NIV during sleep**
- **Orthodontic procedures**



Surgical treatment

- **Adenotonsillectomy**
- **Others**
 - **Maxillofacial surgey**
 - **Nasal turbinectomy**
 - **Tracheostomy**



Adenotonsillectomy

- Most common surgical procedure in **pediatric OSA**
- Would be helpful in OSA caused by **other etiologies**: CP, Down syndrome, obesity
- Can be done safely in **young infant** if indicated



Adenotonsillectomy

Efficacy

- **↓ OSA symptoms and AHI in 90%**
- **Complete resolution of OSA (AHI < 1/hr) in 27%**
- **Risk factors of residual OSA**
 - **Obesity**
 - **Severe OSA**
 - **Asthma**

