

Management of pediatric OSA

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Treatment modalities

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



Surgical treatment

- Adenotonsillectomy
- Others
 - Maxillofacial surgery
 - 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

