

Management of pediatric OSA

Suchada Sritippayawan, MD

Div. Pulmonology & Critical Care

Dept. Pediatrics, Faculty of Medicine

Chulalongkorn University



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

