

More Paediatric Head & Neck Conditions

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Sialorrhoea

1.5L/day, lubricates, IgA, lysozyme, peroxidase, taste, dental, SMG (70% basal flow), parotid (25% stimulated flow), SLG (5%)

Comorbidities (cerebral palsy, neuromuscular, devt delay)

Airway, Aspiration, Anterior vs posterior complications.

MDT: SLP, Dentist, Devt Paediatrician.

Glycopyrrolate, scopolamine, artane. (lots of side effects: urinary retention, constipation, dry mouth, behaviour)

Botox: anticholinergic effect through inhibition SNAP25.

GA, US guided, divided dosing, 3-6/12 effect. 40-80% success rate,

Surgery: adenotonsillectomy +/- turbinates, SMG rerouting +/- SLG excisions, duct clipping, SMG excision, tracheostomy. (Transtympanic neurectomy? Radiotherapy).

EXIT

Procedure while foetus still in placental circulation.

US, MRI. MDT planning (maternal anaesthesia, O&G, neonatologist, paediatric anaesthetist, ENT)

Maternal: age, risk factors.

Anaesthesia: uterine hypotonia, deep anaesthesia without hypotension.

Uterine: anatomy and placental position, polyhydramnios

Foetus: size and anatomy.

Sometimes safer to get the baby out, intervene separately.

Videolaryngoscope. Flexiscope 2 person. Size 3.0 ETT on a 2.7mm rigid Hopkins rod.

VPI

Cleft vs non cleft syndrome (22q11 90% VCFS)

Neuromuscular tone

Acquired post T&A

Rx: SLP (50% resolve), pharyngeal augmentation, Furlow pharyngoplasty, Sphincter pharyngoplasty, pharyngeal flap, palatal adhesion.

Dysphagia/aspiration

FEES, Modified barium swallow

GORD, LPR

Laryngeal Clefts Type 1-4

Eosinophilic oesophagitis

(chronic inflammatory T-cells, food allergies, food bolus, strong a/w atopic conditions, "trachealisation of oesophagus" – rings, biopsy to prove)

Rx: budesonide swallowed, systemic steroids, food elimination, balloon dilatation

Dysphonia

Nodules, granulomas, glottic webs, sulcus

VF palsy

Laryngeal papillomatosis (HPV 6,11,16,18)

Rx: debridement, cidofovir, avastin

OSA

Multilevel, multifactorial

Neurocognitive complications

Oxymetry vs formal PSG

Nose: Turbs, septum, adenoids, allergies.

Oropharynx: Tonsillectomy, UPPP, lingual tonsillectomy (laser, coblation)

Oral cavity: tongue channelling, midline glossectomy, tongue suspension

Maxillary expansion

Mandibular advancement

Tracheostomy

Syndromes

Apert, Crouzon

Treacher Collins

Pfeiffer

Pierre Robin Sequence

22q11 deletion

Goldenhaar

Branchiootorenal

Stickler

VACTERYL

Down

Craniosynostosis (sagittal, coronal, metopic, lambdoid.

Increased ICP and intraocular pressures)

Cleft Lip & Palate (unilateral lip, bilateral lip, lip and palate, palate only, soft palate only, submucous cleft, bifid uvula)

Other

Mandibular advancement

Lip adhesion procedure

Tongue Tie, Lip tie