The Hierarchy of Evidence



The Hierarchy of evidence is based on summaries from the National Health and Medical Research Council (2009), the Oxford Centre for Evidence-based Medicine Levels of Evidence (2011) and Melynyk and Fineout-Overholt (2011).

l	Evidence o	btained from a sys	stematic review of all relev	ant ra	ndomised control to	rials.		Melbo	
II	Evidence o	btained from at lea	ast one well designed rand	domise	ed control trial.				
Ш	Evidence o	btained from well-	designed controlled trials	witho	ut randomisation.				
IV			designed cohort studies, of group or with case-series		ontrol studies, interr	rupted time series with a	control group, historically	controlled studies, interrupted	
V	Evidence o	btained from syste	ematic reviews of descript	ve and	d qualitative studies	;			
VI	Evidence o	btained from single	e descriptive and qualitati	ve stu	dies				
VII	Expert opinion from clinicians, authorities and/or reports of expert committees or based on physiology								
Melynyk	z, Β. & Fineoι	it-Overholt, E. (2011)). Evidence-based practice ir	nursir	ng & healthcare: A gui	de to best practice (2nd ed.	.). Philadelphia: Wolters Kluw	ver, Lippincott Williams & Wilkins.	
			ouncil (2009). NHMRC levels /file/guidelines/evidence_sta		=	ecommendations for develo	opers of guidelines (2009). Au	ustralian Government: NHMRC.	
OCEBM	Levels of Evi	dence Working Grou	p Oxford (2011).The Oxford	2011 L	evels of Evidence. Oxf	ord Centre for Evidence-Ba	sed Medicine. <u>http://www.ce</u>	ebm.net/index.aspx?o=1025	
Databas searche	l X	CINAHL (Ebsco)	x Medline (Ebsco)		Pubmed (NLM)	☐ Nursing (Ovid)	☐ Emcare (Ovid)	Other List:	
Keywor	ds used:	Tonsillectomy, Ad	denoidectomy, Paediatric	, Post	operative pain, Post	operative care	•	•	
Search limits:		5 years							
Other so				_					

Reference (include title, author, journal title, year of publication, volume and issue, pages)	Evidence level	Key findings, outcomes or recommendations
Mitchell RB, Archer SM, Ishman SL, et al. Clinical Practice Guideline: Tonsillectomy in Children (Update). Otolaryngology–Head and Neck Surgery. 2019;160:S1-S42	I	Education in regards to post tonsillectomy pain should be commenced as part of perioperative education and counselling and reinforced at the time of surgery, children <3 should be monitored overnight as an inpatient, either acetaminophen or ibuprofen (or both) should be given for pain relief.
Hannam, JA, Anderson, BJ & Potts, P. Acetaminophen, ibuprofen, and tramadol analgesic interactions after adenotonsillectomy. Pediatric Anesthesia. 2018;28:841-851	11	The addition of tramadol to the combination of acetaminophen and ibuprofen prolongs the analgesia duration
Richards, J, Lang, M, Andresen, E et al. Impact of paediatric tonsillectomy perioperative management on pain, nausea and recovery: A prospective cohort study. Journal of Paediatrics and Child Health. 2020, 144-122	IV	Parents felt unprepared for the amount and duration of apin the child experienced postoperatively. Enhanced parental preoperative education focusing on pain management may benefit children's outcomes
Gray, WK, Takhar, AS, Navaratnam, AV et al. Safety of day-case paediatric tonsillectomy in England: an analysis of administrative data for the Getting It Right First Time programme. Anaesthesia. 2022; 77:277-285	IV	Outcomes for day-case and overnight stay tonsillectomy are similar. Specialist centres should aim for day case rates of >70%
Tan, L, Carachi, P & Anderson, BJ. The time course of pain after tonsillectomy. Pediatric Anesthesia. 2020; 30:1051-1053	III	Paracetamol and Ibuprofen use together achieves a more rapid onset of analgesia with a longer duration. Children having combination therapy of paracetamol and ibuprofen still required breakthrough pain relief in the form of tramadol.
Stokes, P, Guirguis, M & Page, D. The analgesic efficacy of cyclooxygenase-2 selective inhibitors in paediatric adenotonsillectomy: a systematic review. Australian Journal of Otolaryngology. 2018;1:16	I	Current data remains scarce and poor surrounding the efficacy of COX-2 inhibitors in post-operative paediatric adenotonsillectomy analgesia.