

Supplementary Appendix to:

Common selfcare indications of pain medications in children

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Supplementary Table 1. Literature Search Strategy

S.No.	Search string	Databases
S1	ti,ab(Paracetamol OR acetaminophen OR panadol OR Tylenol OR APAP OR crocin OR NSAID* OR “nonsteroidal anti-inflammatory drug*” OR “nonsteroidal anti-inflammatory drug*” OR ibuprofen OR Advil OR Motrin OR IBU OR Brufen)	Proquest (Embase, MEDLINE, ToxFile, Derwent Drug File)
S2	(oral* OR tablet* OR capsule* OR caplet* OR suspension* OR elixir* OR solution* OR syrup* OR “PO” OR “P.O” OR “P.O.” OR “mg/kg” OR “mg/kg*” OR *mg/kg OR “mg.kg-1” OR “mg per kg”)	
S3	ti,ab(Child* OR pediatric* OR paediatric* OR adolescen* OR teen* OR boy* OR girl* OR “school going” OR kid* OR babies OR baby OR infan* OR toddler* OR preschooler* OR “pre-schooler” OR student* OR “schoolboy*” OR “schoolgirl*” OR “juvenile*” OR Children* OR neonate* OR newborn* OR neonatal)	
S4	ti,ab(Fever OR pyrexia OR hyperthermia OR febrile OR “body temperature elevation” OR feverish* OR “pyresis” OR pain OR *ache* OR analgesia OR “dental pain” OR “tooth pain” OR “toothache” OR “odontalgia*” OR teething OR teeth OR tooth OR dental OR dentin OR enamel OR “root canal” OR pericoronitis OR "alveolalgia" OR "dry socket" OR "barodontalgia" OR "tooth squeeze" OR "swollen gums" OR "tender gums" OR "cutting teeth" OR "odontiasis" OR “impacted tooth” OR “impacted teeth” OR exodontia OR “myalgia” OR “muscle strain” OR “pulled muscle” OR “muscle spasm” OR “strains” OR dorsalgia OR lumbago OR “lumbar pain” OR “muscle cramp” OR musculoskeletal OR muscular	

	OR muscle OR "myofascial pain" OR "pain in muscle" OR migraine OR "hemicranias*" OR migrainosus OR migrainous OR "hemicranicus" OR "head pain" OR headache OR "cephalgia*" OR "cephalalgia" OR "cranial pain" OR "cephalodynia" OR "TTH" OR "ankle sprain*" OR "soft tissue injur*" OR "ankle injur*" OR "soft-tissue injur*" OR "joint sprain" OR bruise* OR "stomach ache" OR "gastralgia" OR "dull ache" OR "stomach cramps" OR "Belly ache" OR earache OR otalgia OR "otitis media" OR "ear pain" OR "sore throat" OR tonsillitis OR pharynx* OR laryngitis OR pharyngitis OR tonsillitis OR tonsil* OR rhinopharyngitis OR tonsillopharyngitis OR pharyngotonsillitis OR vaccine* OR immunize* OR vaccine OR vaccination OR immunization OR respiratory OR rhinovirus OR "common cold*" OR "natural cold*" OR "common-cold" OR "cold and flu" OR "cold and cough" OR "cold & flu" OR "FLI" OR "flu-like illness" OR coryza OR catarrh OR "respiratory tract infection" OR flu OR upper NEAR/4 infection* OR URTI* OR "RTI" OR "ILI" OR coronavirus OR "COVID-19" OR "2019-nCoV" OR "n-CoV" OR "COVID 19" OR "2019-nCoV" OR "novel coronavirus disease" OR "SARS-CoV-2" OR "SARS-CoV-II" OR "nCoV-2019")	
S5	((EMB.EXACT.EXPLODE("CLINICAL TRIAL") OR EMB.EXACT.EXPLODE("CLINICAL TRIAL (TOPIC)") OR EMB("CLINICAL TRIAL*" OR "SINGLE BLIND PROCEDURE" OR "DOUBLE BLIND PROCEDURE" OR "TRIPLE BLIND PROCEDURE" OR "CROSSOVER PROCEDURE" OR "RANDOMIZED CONTROLLED TRIAL")) OR (DTYPE("CLINICAL TRIAL*" OR "CONTROLLED	

	CLINICAL TRIAL" OR "MULTICENTER STUDY" OR "RANDOMIZED CONTROLLED TRIAL" OR "EQUIVALENCE TRIAL" OR "SYSTEMATIC REVIEW" OR "META-ANALYSIS") OR MESH.EXACT.EXPLODE("CLINICAL TRIALS AS TOPIC")) OR (CC(64: CLINICAL TRIALS)) OR ti,ab("clinical stud*" OR "clinical trial*" OR randomi?ed OR "double?blind" OR "comparative study" OR "controlled?study"))	
S6	S1 AND S2 AND S3 AND S4 AND S5	
S7	S6 and (pd(20100101-20220224))	
S8	S1 AND S3 AND S4 AND S5	
S9	S8 NOT S6	

Supplementary Table 2. Pediatric Paracetamol Formulation Pharmacology Search Strategy

1	(Paracetamol[Title] OR Acetaminophen[Title] OR N-acetyl-para-aminophenol[Title])
2	(Infants OR Children OR Pharmacology OR Pharmacokinetics OR Pharmacodynamics OR Absorption OR Bioavailability OR Bioequivalence OR Distribution OR Metabolism OR Human hepatocytes OR Excretion OR Elimination OR Drug Interaction OR Mechanism of Action OR Maximum tolerated dose OR Minimum effective dose OR Plasma concentration OR Protein binding OR First-pass metabolism OR Genetic polymorphism OR Optimal dose OR Dose effect OR Dose response OR Blood level response OR

	Food effect OR Half-life OR Headache OR Tension-type headache OR Migraine OR Muscle ache OR Dysmenorrhoea OR Dysmenorrhea OR Sore throat OR Musculoskeletal pain OR Vaccination OR Immunisation OR Immunization OR Acute pain OR Mild-to-moderate pain OR Dental procedures OR Tooth extraction OR Toothache OR Earache OR Otalgia OR Otitis OR Fever OR Antipyretic OR Upper respiratory tract infection OR Gender OR Ethnic origin OR Ethnicity OR Exposure OR Withdrawal OR Tolerance OR Tolerability OR Rebound OR Hepatic impairment OR Hepatic failure OR Hepatic dysfunction OR Hepatic toxicity OR Renal impairment OR Renal failure OR Chronic renal disease OR Analgesic nephropathy OR Gastrointestinal ulceration OR Gastrointestinal bleeding OR Liver damage OR Renal disease OR Impairment of mental ability OR Psychiatric disturbance OR Central nervous system effects OR Adverse event OR Adverse reaction OR Adverse drug reaction OR Adverse effect OR Addiction OR Dependence OR Overdose OR Anaphylactic-type reaction OR Anaphylaxis OR Drug Abuse OR Toxicity OR Allergic reaction OR Hypersensitivity OR Clinical pathophysiological OR Clinical trial OR Clinical study OR Drug exposure OR Carcinogenicity OR Immunotoxicity OR Toxic effect OR Teratogen OR Medication error OR Age 1 to 12 years OR Fever associated with vector borne diseases)
3	(Covid OR Intravenous OR Neurosurgery OR Mice OR Rat OR Chicken)
4	1 AND 2 NOT 3
5	Limit 4 to Human
6	Limit 5 to 2019/6/30 - 2022/9/30