

Supplementary Table 1. Medical subject heading (MeSH) terms used in each database

Database	Medical subject heading	No. of studies found
PubMed	("diagnostic imaging"[MeSH Subheading] OR ("diagnostic"[All Fields] AND "imaging"[All Fields]) OR "diagnostic imaging"[All Fields] OR "ultrasonography"[All Fields] OR "ultrasonography"[MeSH Terms] OR "ultrasonographies"[All Fields] OR ("vena cava, inferior"[MeSH Terms] OR ("vena"[All Fields] AND "cava"[All Fields] AND "inferior"[All Fields]) OR "inferior vena cava"[All Fields] OR ("inferior"[All Fields] AND "vena"[All Fields] AND "cava"[All Fields])) OR ("aorta"[MeSH Terms] OR "aorta"[All Fields] OR "aortas"[All Fields] OR "aorta s"[All Fields] OR "aortae"[All Fields])) AND ("child"[MeSH Terms] OR "child"[All Fields] OR "children"[All Fields] OR "child s"[All Fields] OR "children s"[All Fields] OR "childrens"[All Fields] OR "childs"[All Fields] OR "paediatrics"[All Fields] OR "pediatrics"[MeSH Terms] OR "pediatrics"[All Fields] OR "paediatric"[All Fields] OR "pediatric"[All Fields]) OR ("adolescences"[All Fields] OR "adolescence"[All Fields] OR "adolescent"[MeSH Terms] OR "adolescent"[All Fields] OR "adolescence"[All Fields] OR "adolescents"[All Fields] OR "adolescent s"[All Fields]) OR ("infant"[MeSH Terms] OR "infant"[All Fields] OR "infants"[All Fields] OR "infant s"[All Fields])) AND ("diarrhea"[MeSH Terms] OR "diarrhea"[All Fields] OR "diarrheas"[All Fields] OR "diarrhoea"[All Fields] OR "diarrhoeas"[All Fields] OR ("gastroenteric"[All Fields] OR "gastroenteritis"[MeSH Terms] OR "gastroenteritis"[All Fields] OR "gastroenteritides"[All Fields]) OR ("nausea"[MeSH Terms] OR "nausea"[All Fields] OR "nauseas"[All Fields]) OR ("vomiter"[All Fields] OR "vomitters"[All Fields] OR "vomiting"[MeSH Terms] OR "vomiting"[All Fields] OR "vomit"[All Fields] OR "vomited"[All Fields] OR "vomits"[All Fields] OR "vomittings"[All Fields] OR "vomition"[All Fields] OR "vomitting"[All Fields]) OR ("dehydrate"[All Fields] OR "dehydrates"[All Fields] OR "dehydrating"[All Fields] OR "dehydration"[MeSH Terms] OR "dehydration"[All Fields] OR "dehydrated"[All Fields] OR "dehydrations"[All Fields] OR "dehydrative"[All Fields]))	10,390
MEDLINE	((((children) OR pediatric) OR adolescent) OR infant) AND (((diarrhea) OR gastroenteritis) OR nausea) OR vomiting) OR dehydration) AND (((ultrasound[Title]) OR ultrasonography[Title]) OR aorta[Title]) OR inferior vena cava[Title])	866
Cochrane Library	(Ultrasound):ti,ab,kw AND (Children):ti,ab,kw AND (Dehydration):ti,ab,kw	7
Google Scholar	allintitle: ultrasound dehydration aorta OR gastroenteritis OR ultrasonography OR inferior OR vena OR cava OR pediatrics OR children OR adolescent OR infant OR diarrhea	19
Science Direct	"Ultrasound" AND "Gastroenteritis OR Dehydration" AND "Children"	264