**Search strategy**

**Used on 27-02-2020**

**Embase.com**

('bleeding'/exp OR 'thrombosis'/exp OR 'blood clotting'/exp OR 'anticoagulation'/de OR (Bleed\* OR Hemorrhag\* OR haemorrhag\* OR Blood-clot\* OR clotting OR Thromb\* OR anticoagul\* OR coagula\*):ab,ti,kw) AND ('incidence'/exp OR 'thromboelastograph'/de OR 'thromboelastography'/de OR 'thromboelastometry'/de OR 'bleeding time'/exp OR 'blood clotting time'/de OR 'partial thromboplastin time'/exp OR 'prothrombin time'/de OR 'thrombin time'/de OR 'thromboplastin time'/de OR (incidence\* OR Thromboelastograph\* OR Thromboelastomet\* OR ROTEM\* OR TEG OR ((bleeding\* OR clotting\* OR coagulation\* OR prothrombin\* OR thrombin\* OR thromboplastin\*) NEXT/3 (time)) OR international-normali\*-ratio OR INR OR ACT OR APTT OR PT OR PTT):ab,ti,kw) AND ('extracorporeal oxygenation'/de OR 'extracorporeal circulation'/de OR 'extracorporeal membrane oxygenation device'/de OR 'membrane oxygenator'/de OR 'mechanical circulatory support'/de OR (ECMO OR ECLS OR ((Extracorporeal\* OR membrane\* OR sheet\*) NEAR/6 (oxygen\* OR life-support\* OR circulat\* OR treat\* OR therap\*)) OR mechanic\*-circul\*-support\*):ab,ti,kw) AND (child/exp OR adolescent/exp OR adolescence/exp OR 'child behavior'/de OR 'child parent relation'/de OR pediatrics/exp OR childhood/exp OR 'child nutrition'/de OR 'infant nutrition'/exp OR 'child welfare'/de OR 'child abuse'/de OR 'child advocacy'/de OR 'child development'/de OR 'child growth'/de OR 'child health'/de OR 'child health care'/exp OR 'child care'/exp OR 'childhood disease'/exp OR 'child death'/de OR 'child psychiatry'/de OR 'child psychology'/de OR 'pediatric ward'/de OR 'pediatric hospital'/de OR 'pediatric anesthesia'/de OR 'pediatric intensive care unit'/de OR 'neonatal intensive care unit'/de OR (adolescen\* OR preadolescen\* OR infan\* OR newborn\* OR (new NEXT/1 born\*) OR baby OR babies OR neonat\* OR child\* OR kid OR kids OR toddler\* OR teen\* OR boy\* OR girl\* OR minors OR underag\* OR (under NEXT/1 (age\* OR aging)) OR juvenil\* OR youth\* OR kindergar\* OR puber\* OR pubescen\* OR prepubescen\* OR prepubert\* OR pediatric\* OR paediatric\* OR school\* OR preschool\* OR highschool\* OR suckling\* OR PICU OR NICU OR PICUs OR NICUs):ab,ti,kw)

**Medline (Ovid)**

(exp Hemorrhage/ OR exp Thrombosis/ OR exp Blood Coagulation/ OR (Bleed\* OR Hemorrhag\* OR haemorrhag\* OR Blood-clot\* OR clotting OR Thromb\* OR anticoagul\* OR coagula\*).ab,ti,kf.) AND (Incidence/ OR thromboelastograph/ OR thromboelastography/ OR thromboelastometry/ OR Bleeding Time/ OR Whole Blood Coagulation Time/ OR Partial Thromboplastin Time/ OR Prothrombin Time/ OR Thrombin Time/ OR (incidence\* OR Thromboelastograph\* OR Thromboelastomet\* OR ROTEM\* OR TEG OR ((bleeding\* OR clotting\* OR coagulation\* OR prothrombin\* OR thrombin\* OR thromboplastin\*) ADJ3 (time)) OR international-normali\*-ratio OR INR OR ACT OR APTT OR PT OR PTT).ab,ti,kf.) AND (extracorporeal therapy/ OR extracorporeal membrane oxygenation device/ OR membrane oxygenator/ OR (ECMO OR ECLS OR ((Extracorporeal\* OR membrane\* OR sheet\*) ADJ6 (oxygen\* OR life-support\* OR circulat\* OR treat\* OR therap\*)) OR mechanic\*-circul\*-support\*).ab,ti,kf.) AND (exp Child/ OR exp Infant/ OR exp Adolescent/ OR exp "Child Behavior"/ OR exp "Parent Child Relations"/ OR exp "Pediatrics"/ OR "Child Nutrition Sciences"/ OR "Infant nutritional physiological phenomena"/ OR exp "Child Welfare"/ OR "Child Development"/ OR exp "Child Health Services"/ OR exp "Child Care"/ OR "Child Rearing"/ OR exp "Child development Disorders, Pervasive"/ OR "Child Psychiatry"/ OR "Child Psychology"/ OR "Hospitals, Pediatric"/ OR exp "Intensive Care Units, Pediatric"/ OR (adolescen\* OR infan\* OR newborn\* OR (new ADJ born\*) OR baby OR babies OR neonat\* OR child\* OR kid OR kids OR toddler\* OR teen\* OR boy\* OR girl\* OR minors OR underag\* OR (under ADJ1 (age\* OR aging)) OR juvenil\* OR youth\* OR kindergar\* OR puber\* OR pubescen\* OR prepubescen\* OR prepubert\* OR pediatric\* OR paediatric\* OR school\* OR preschool\* OR highschool\* OR suckling\* OR PICU OR NICU OR PICUs OR NICUs).ab,ti,kf.)

**Web of Science**

TS=(((Bleed\* OR Hemorrhag\* OR haemorrhag\* OR Blood-clot\* OR clotting OR Thromb\* OR anticoagul\* OR coagula\*)) AND ((incidence\* OR Thromboelastograph\* OR Thromboelastomet\* OR ROTEM\* OR TEG OR ((bleeding\* OR clotting\* OR coagulation\* OR prothrombin\* OR thrombin\* OR thromboplastin\*) NEAR/2 (time)) OR international-normali\*-ratio OR INR OR ACT OR APTT OR PT OR PTT)) AND ((ECMO OR ECLS OR ((Extracorporeal\* OR membrane\* OR sheet\*) NEAR/5 (oxygen\* OR life-support\* OR circulat\* OR treat\* OR therap\*)) OR mechanic\*-circul\*-support\*)) AND ((adolescen\* OR preadolescen\* OR infan\* OR newborn\* OR (new NEAR/1 born\*) OR baby OR babies OR neonat\* OR child\* OR kid OR kids OR toddler\* OR teen\* OR boy\* OR girl\* OR minors OR underag\* OR (under NEAR/1 (age\* OR aging)) OR juvenil\* OR youth\* OR kindergar\* OR puber\* OR pubescen\* OR prepubescen\* OR prepubert\* OR pediatric\* OR paediatric\* OR school\* OR preschool\* OR highschool\* OR suckling\* OR PICU OR NICU OR PICUs OR NICUs)))

**Cochrane CENTRAL**

((Bleed\* OR Hemorrhag\* OR haemorrhag\* OR (Blood NEXT/1 clot\*) OR clotting OR Thromb\* OR anticoagul\* OR coagula\*):ab,ti) AND ((incidence\* OR Thromboelastograph\* OR Thromboelastomet\* OR ROTEM\* OR TEG OR ((bleeding\* OR clotting\* OR coagulation\* OR prothrombin\* OR thrombin\* OR thromboplastin\*) NEXT/3 (time)) OR (international NEXT/1 normali\* NEXT/1 ratio) OR INR OR ACT OR APTT OR PT OR PTT):ab,ti) AND ((ECMO OR ECLS OR ((Extracorporeal\* OR membrane\* OR sheet\*) NEAR/6 (oxygen\* OR "life-support\*" OR circulat\* OR treat\* OR therap\*)) OR (mechanic\* NEXT/1 circul\* NEXT/1 support\*)):ab,ti) AND ((adolescen\* OR preadolescen\* OR infan\* OR newborn\* OR (new NEXT/1 born\*) OR baby OR babies OR neonat\* OR child\* OR kid OR kids OR toddler\* OR teen\* OR boy\* OR girl\* OR minors OR underag\* OR (under NEXT/1 (age\* OR aging)) OR juvenil\* OR youth\* OR kindergar\* OR puber\* OR pubescen\* OR prepubescen\* OR prepubert\* OR pediatric\* OR paediatric\* OR school\* OR preschool\* OR highschool\* OR suckling\* OR PICU OR NICU OR PICUs OR NICUs):ab,ti)

**Google Scholar**  *Top 100 relevant references*

bleeding|hemorrhage|haemorrhage|clotting|thrombus|thrombosis|coagulation|incidence|thromboelastograph|ROTEM|TEG ECMO|ECLS|"extracorporeal|extra-corporeal oxygenation" child|children|baby|babies|kid|kids|boy|girl|boys|girls|pediatric|paediatric|PICU|NICU|PICUs|NICUs