**Search Strategies**

**Databases:** Embase®, MEDLINE®

(results downloaded on 28 April 2022)

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| --- | --- | --- |
| **Set#** | **Searched for** | **Results** |
| S1 | MESH.EXACT("Fetal Growth Retardation") OR MESH.EXACT("Infant, Small for Gestational Age") | 24100 |
| S2 | EMB.EXACT("intrauterine growth retardation") OR EMB.EXACT("selective intrauterine growth restriction") OR EMB.EXACT("small for date infant") | 49430 |
| S3 | ti,ab,if((fetus[\*2] or foetus[\*2] or fetal[\*2] or foetal[\*2] or prenatal[\*2] or "pre natal[\*2]" or prepartal[\*2] or "pre partal[\*2]" or prepartum[\*1] or "pre partum[\*1]" or antenatal[\*2] or "ante natal[\*2]" or antepartal[\*2] or "ante partal[\*2]" or antepartum[\*1] or "ante partum[\*1]" or "in utero" or intrauterine or "intra uterine" or fetalis or foetalis) near/5 growth near/5 (discordan[\*3] or retard[\*6] or restrict[\*4])) or ti,ab,if(iugr or siugr or fgr or sfgr) | 72614 |
| S4 | ti,ab,if(small near/5 (neonatal[\*2] or "neo natal[\*2]" or newborn[\*1] or "new born[\*1]" or neonate[\*1] or "neo nate[\*1]" or infant[\*1] or baby or babies)) or ti,ab,if("small for gestational" or "small for date" or "small for age" or sga) | 60164 |
| S5 | MESH.EXACT("Pregnancy, Twin") OR MESH.EXACT("Pregnancy, Multiple") OR MESH.EXACT("Twin Studies as Topic") OR MESH.EXACT.EXPLODE("Twins") OR rtype.exact("Twin Study") OR MESH.EXACT("Diseases in Twins") OR MESH.EXACT.EXPLODE("Twinning, Embryonic") | 45998 |
| S6 | EMB.EXACT("twin pregnancy") OR EMB.EXACT("multiple pregnancy") OR EMB.EXACT.EXPLODE("twins") OR EMB.EXACT("twin study") OR EMB.EXACT("twin concordance") OR EMB.EXACT("twin discordance") OR EMB.EXACT.EXPLODE("twin zygosity") OR EMB.EXACT.EXPLODE("twinning") | 80501 |
| S7 | ti,ab,if(twin or twins or twinning) or ti,ab,if(multiple near/5 (pregnan[\*4] or gestation[\*1] or birth[\*1])) | 197451 |
| S8 | (s1 or s2 or s3 or s4) and (s5 or s6 or s7) | 9574 |
| S9 | (s1 or s2 or s3 or s4) and (s5 or s6 or s7) and human(yes) | 8786 |
| S10 | ((s1 or s2 or s3 or s4) and (s5 or s6 or s7)) not (human(yes) or animal(yes) or EMB.EXACT("nonhuman")) | 624 |
| S11 | rtype.exact("Clinical Trial, Phase III" OR "Randomized Controlled Trial" OR "Controlled Clinical Trial" OR "Clinical Trial, Phase IV" OR "Clinical Trial, Phase I" OR "Meta-Analysis" OR "Clinical Trial" OR "Clinical Trial, Phase II" OR "Pragmatic Clinical Trial" OR "Equivalence Trial" OR "Adaptive Clinical Trial" OR "Multicenter Study" OR "Systematic Review") | 1392562 |
| S12 | MESH.EXACT.EXPLODE("Clinical Trials as Topic") OR MESH.EXACT.EXPLODE("Meta-Analysis as Topic") OR MESH.EXACT("Random Allocation") OR MESH.EXACT("Single-Blind Method") OR MESH.EXACT("Cross-Over Studies") OR MESH.EXACT("Double-Blind Method") OR MESH.EXACT("Placebos") OR MESH.EXACT("Multicenter Studies as Topic") OR MESH.EXACT("Systematic Reviews as Topic") OR MESH.EXACT("Review Literature as Topic") | 711322 |
| S13 | EMB.EXACT("phase 1 clinical trial") OR EMB.EXACT("phase 3 clinical trial") OR EMB.EXACT.EXPLODE("randomized controlled trial") OR EMB.EXACT("phase 2 clinical trial") OR EMB.EXACT("phase 4 clinical trial") OR EMB.EXACT("controlled clinical trial") OR EMB.EXACT.EXPLODE("clinical trial") OR EMB.EXACT("triple blind procedure") OR EMB.EXACT("double blind procedure") OR EMB.EXACT("crossover procedure") OR EMB.EXACT("single blind procedure") OR EMB.EXACT.EXPLODE("randomization") OR EMB.EXACT("placebo") OR EMB.EXACT("multicenter study") OR EMB.EXACT.EXPLODE("meta analysis") OR EMB.EXACT("systematic review") OR EMB.EXACT.EXPLODE("clinical trial (topic)") OR EMB.EXACT("meta analysis (topic)") OR EMB.EXACT("systematic review (topic)") OR EMB(ct) | 2890812 |
| S14 | ti,ab,if("meta analy[\*3]" or metaanaly[\*3] or "systematic review[\*1]" or "systematic overview[\*1]" or "integrative review[\*1]" or "integrative research review[\*1]" or "rapid review[\*1]" or "umbrella review[\*1]" or trial[\*1] or ((singl[\*4] or doubl[\*4] or trebl[\*4] or tripl[\*4]) near/5 (blind[\*4] or mask[\*4])) or rct[\*1] or randomized or randomised or randomization or randomisation or randomly or crossover or "cross over" or placebo[\*1] or (random near/3 allocat[\*4])) | 5759016 |
| S15 | pub.exact("Cochrane Database of Systematic Reviews" OR "Cochrane database of systematic reviews (Online)" OR "The Cochrane database of systematic reviews") | 39575 |
| S16 | MESH.EXACT("Cohort Studies") or MESH.EXACT.EXPLODE("Longitudinal Studies") or MESH.EXACT("Follow-Up Studies") or MESH.EXACT("Retrospective Studies") or MESH.EXACT("Case-Control Studies") or MESH.EXACT("Cross-Sectional Studies") or MESH.EXACT("Prospective Studies") or MESH.EXACT("Controlled Before-After Studies") OR MESH.EXACT("Historically Controlled Study") or MESH.EXACT("Interrupted Time Series Analysis") or MESH.EXACT("Epidemiologic Studies") or MESH.EXACT("Pilot Projects") or MESH.EXACT("Feasibility Studies") OR MESH.EXACT("Observational Studies as Topic") or MESH.EXACT("Clinical Studies as Topic") | 3076230 |
| S17 | rtype.exact("Observational Study" or "Comparative Study" or "Clinical Study") | 2030322 |
| S18 | EMB.EXACT.EXPLODE("longitudinal study") or EMB.EXACT.EXPLODE("case control study") or EMB.EXACT("prospective study") or EMB.EXACT("major clinical study") or EMB.EXACT("retrospective study") or EMB.EXACT("clinical study") or EMB.EXACT("cross-sectional study") or EMB.EXACT("cohort analysis") or EMB.EXACT("observational study") or EMB.EXACT("community trial") or EMB.EXACT("open study") or EMB.EXACT("family study") or EMB.EXACT("pilot study") or EMB.EXACT("comparative study") or EMB.EXACT("controlled study") or EMB.EXACT("follow up") or EMB.EXACT("evaluation and follow up") | 13931515 |
| S19 | ti,ab(prospective[\*2] or retrospective[\*2] or "follow up" or followup or longitudinal[\*2] or "case control[\*4]" or "cross sectional[\*2]" or observation[\*2] or (case[\*1] near/5 series)) or ti,ab((cohort or epidemiologic[\*4]) near/5 (study or studies or analy[\*3])) | 10068400 |
| S20 | (s9 or s10) and (s11 or s12 or s13 or s14 or s15 or s16 or s17 or s18 or s19) | 6354 |
| **S21** | **s20 not (rtype.exact("Case Reports" or "Comment" or "Conference Abstract" or "Editorial" or "Historical Article" or "Letter" or "Abstract Report" or "Note" or "News" or "Newspaper Article" or "Conference Review") or EMB.EXACT("case report") or EMB.EXACT.EXPLODE("case study") or ti,ab,if("case study") or EMB.EXACT("conference abstract") or EMB.EXACT("letter") or EMB.EXACT("note") or EMB.EXACT("editorial") or EMB.EXACT("abstract report") or EMB.EXACT("conference review"))** | **3256** |

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| --- | --- | --- |
| **ID** | **Search** | **Hits** |
| #1 | MeSH descriptor: [Fetal Growth Retardation] this term only | 425 |
| #2 | MeSH descriptor: [Infant, Small for Gestational Age] this term only | 295 |
| #3 | ((fetus\* or foetus\* or fetal\* or foetal\* or prenatal\* or (pre next natal\*) or prepartal\* or (pre next partal\*) or prepartum\* or (pre next partum\*) or antenatal\* or (ante next natal\*) or antepartal\* or (ante next partal\*) or antepartum\* or (ante next partum\*) or "in utero" or intrauterine or "intra uterine" or fetalis or foetalis) near/5 growth near/5 (discordan\* or retard\* or restrict\*)):ti,ab,kw (Word variations have been searched) | 1469 |
| #4 | (iugr or siugr or fgr or sfgr):ti,ab,kw (Word variations have been searched) | 555 |
| #5 | (small near/5 (neonatal\* or (neo next natal\*) or newborn\* or (new next born\*) or neonate\* or (neo next nate\*) or infant\* or baby or babies)):ti,ab,kw (Word variations have been searched) | 1581 |
| #6 | ("small for gestational" or "small for date" or "small for age" or sga):ti,ab,kw (Word variations have been searched) | 1885 |
| #7 | #1 or #2 or #3 or #4 or #5 or #6 | 3875 |
| #8 | MeSH descriptor: [Pregnancy, Twin] this term only | 72 |
| #9 | MeSH descriptor: [Pregnancy, Multiple] this term only | 199 |
| #10 | MeSH descriptor: [Twin Studies as Topic] this term only | 5 |
| #11 | MeSH descriptor: [Twins] explode all trees | 195 |
| #12 | MeSH descriptor: [Diseases in Twins] this term only | 42 |
| #13 | MeSH descriptor: [Twinning, Embryonic] explode all trees | 0 |
| #14 | (twin or twins or twinning):ti,ab,kw (Word variations have been searched) | 2019 |
| #15 | (multiple near/5 (pregnan\* or gestation\* or birth\*)):ti,ab,kw (Word variations have been searched) | 1965 |
| #16 | #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 | 3727 |
| **#17** | **#7 and #16** | **229** |

* The Cochrane Database of Systematic Reviews (CDSR, Cochrane Reviews: Issue 4 of 12, April 2022) (17 references)
* The Cochrane Central Register of Controlled Trials (CENTRAL, Trials: Issue 3 of 12, March 2022) (212 references)