**Table S1.** Search Strategy

|  |  |  |
| --- | --- | --- |
| **Set** | **PubMed** | **Results** |
| #1 | "fetofetal transfusion"[MeSH Terms] OR ("fetofetal"[All Fields] AND "transfusion"[All Fields]) OR "fetofetal transfusion"[All Fields] | 2,299 |
| #2 | "Fetal Death"[MeSH Terms] OR "Fetal Demise"[All Fields] OR "Fetal Mummification"[All Fields] OR ("fetale"[All Fields] OR "fetally"[All Fields] OR "fetals"[All Fields] OR "fetus"[MeSH Terms] OR "fetus"[All Fields] OR "fetal"[All Fields] OR "foetal"[All Fields]) AND ("mortality"[MeSH Subheading] OR "mortality"[All Fields] OR "survival"[All Fields] OR "survival"[MeSH Terms] OR "survivability"[All Fields] OR "survivable"[All Fields] OR "survivals"[All Fields] OR "survive"[All Fields] OR "survived"[All Fields] OR "survives"[All Fields] OR "surviving"[All Fields]) | 55,359 |
| #3 | #1 AND #2 | 712 |
| #4 | (("randomized controlled trial"[Publication Type] OR ("controlled"[All Fields] AND "clinical trial"[Publication Type]) OR "randomized"[Title/Abstract] OR "placebo"[Title/Abstract] OR "drug therapy"[MeSH Subheading] OR "randomly"[Title/Abstract] OR "trial"[Title/Abstract] OR "groups"[Title/Abstract]) NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms])) OR (("cohort studies"[MeSH Terms] OR ("cohort"[All Fields] AND "studies"[All Fields]) OR "cohort studies"[All Fields] OR "cohort"[All Fields] OR "cohort s"[All Fields] OR "cohorte"[All Fields] OR "cohorts"[All Fields] OR (("controling"[All Fields] OR "controllability"[All Fields] OR "controllable"[All Fields] OR "controllably"[All Fields] OR "controller"[All Fields] OR "controller s"[All Fields] OR "controllers"[All Fields] OR "controlling"[All Fields] OR "controls"[All Fields] OR "prevention and control"[MeSH Subheading] OR ("prevention"[All Fields] AND "control"[All Fields]) OR "prevention and control"[All Fields] OR "control"[All Fields] OR "control groups"[MeSH Terms] OR ("control"[All Fields] AND "groups"[All Fields]) OR "control groups"[All Fields]) AND ("studies"[All Fields] OR "study"[All Fields] OR "study s"[All Fields] OR "studying"[All Fields] OR "studys"[All Fields])) OR ("control"[Text Word] AND "group\*"[Text Word]) OR "epidemiologic studies"[MeSH Terms] OR "program"[Text Word] OR "clinical trial"[Publication Type] OR "comparative stud\*"[All Fields] OR ("evaluation study"[Publication Type] OR "evaluation studies as topic"[MeSH Terms] OR "evaluation studies"[All Fields]) OR "statistics as topic"[MeSH Terms] OR "survey\*"[Text Word] OR "follow up\*"[All Fields] OR ("time factors"[MeSH Terms] OR ("time"[All Fields] AND "factors"[All Fields]) OR "time factors"[All Fields]) OR "ci"[Text Word]) NOT (("animals"[MeSH Terms:noexp] NOT "humans"[MeSH Terms:noexp]) OR "comment"[Publication Type] OR "editorial"[Publication Type] OR "review"[Publication Type] OR "meta analysis"[Publication Type] OR "case report"[Text Word] OR "consensus"[MeSH Terms] OR "guideline"[Publication Type] OR "history"[MeSH Subheading]))1,2 | 10,787,650 |
| #4 | #1 AND #2 AND #4 | **442** |
| **Set** | **Scopus** | **Results** |
| #1 | TITLE-ABS-KEY("early" OR "premature" OR "prematurely" OR "promptly") | 4,090,545 |
| #2 | TITLE-ABS-KEY ( "Fetofetal Transfusion" )  OR  TITLE-ABS-KEY ( "Fetal Transfusion Syndrome" )  OR  TITLE-ABS-KEY ( "Fetofetal Transfusion Syndrome" )  OR  TITLE-ABS-KEY ( "Cross-Transfusion"  AND  intrauterine )  OR  TITLE-ABS-KEY ( "Intrauterine Cross-Transfusion" )  OR  TITLE-ABS-KEY ( "Twin Transfusion" )  OR  TITLE-ABS-KEY ( "Twin Transfusion Syndrome" )  OR  TITLE-ABS-KEY ( "Twin Twin Transfusion Syndrome" )  OR  TITLE-ABS-KEY ( "Twin-to-Twin Transfusion Syndrome" ) | 3,645 |
| #3 | TITLE-ABS-KEY ( “fetal death” )  OR  TITLE-ABS-KEY ( “fetal demise” )  OR  TITLE-ABS-KEY ( “fetal  mummification” )  OR  TITLE-ABS-KEY ( ( "fetale"  OR  "fetally"  OR  "fetals"  OR  "fetus"  OR  "fetus"  OR  "fetal"  OR  "foetal" )  AND  ( "mortality"  OR  "death"  OR  "Fatal Outcome"  OR  "survival"  OR  "survivability"  OR  "survivable"  OR  "survivals"  OR  "survive"  OR  "survived"  OR  "survives"  OR  "surviving" ) ) | 114,702 |
| #4 | #1 AND #2 AND #3 | **679** |
| **Set** | **Web of Science** | **Results** |
| #1 | TS=("early" OR "premature" OR "prematurely" OR "promptly") | 2,200,885 |
| #2 | ALL=("Fetofetal Transfusion" OR "Fetal Transfusion Syndrome" OR "Fetofetal Transfusion Syndrome" OR ("Cross-Transfusion"  AND  intrauterine) OR "Intrauterine Cross-Transfusion" OR "Twin Transfusion" OR "Twin Transfusion Syndrome" OR "Twin Twin Transfusion Syndrome" OR "Twin-to-Twin Transfusion Syndrome") |  |
| #3 | ALL=(“fetal death” OR “fetal demise” OR “fetal  mummification” OR (("fatal"  OR  "fatally"  OR  "fetalis"  OR  "fetus"  OR  "fetus"  OR  "fetal"  OR  "foetal") AND ("mortality"  OR  "death"  OR  "Fatal Outcome"  OR  "survival"  OR  "survivability"  OR  "survivable"  OR  "survivals"  OR  "survive"  OR  "survived"  OR  "survives"  OR  "surviving"))) |  |
| #4 | #1 AND #2 AND #3 | **240** |

**Table S2.** New castle Ottawa risk of bias assessment for cohort and case control studies.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Authors** | **Selection** | **Comparability** | **Outcome** | **Total** |
| **Presentiveness of the exposed cohort** | **Selection of the non-exposed cohort** | **Ascertainment of exposure** | **Interested outcome not presented at the beginning** | **Assessment of outcome** | **Enough Follow-up** | **Adequacy of follow-up** |
| **Sebire 2005** | \* |  | \* |  | \* | \* | \* | \* | 6 |
| **Sepulveda 2007** | \* |  | \* | \* | \*\* | \* | \* | \* | 8 |
| **Baud 2013** | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| **Willruth 2013** | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| **Lecointre 2014** | \* | \* | \* | \* | \* | \* | \* |  | 7 |
| **Ortiz 2016** | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| **Bartin 2022** | \* | \* | \* | \* | \*\* | \* | \* | \* | 9 |
| **Seaman 2023** | \* | \* | \* | \* | \* | \* | \* | \* | 8 |
| **Tan 2023** | \* | \* | \* | \* | \* | \* | \* | \* | 8 |