**Table S1-Search strategies (Date of search: May 8, 2021)**

**MEDLINE**

| Search | Query | Items found |
|---|---|---|
| **1** | ("Uterus"[Mesh]) AND "Congenital Abnormalities"[Mesh] | 3,302 |
| **2** | (unicornuate[tiab] OR didelphys[tiab] OR didelphus[tiab] OR bicornuate[tiab] OR septa*[tiab] OR septu*[tiab] OR subsepta*[tiab] OR subseptu*[tiab] OR sub-septa*[tiab] OR sub-septu*[tiab] OR T-shape*[tiab] OR arcuate[tiab]) AND (uterus[tiab] OR uterine[tiab]) | 2,974 |
| **3** | (Mullerian anomal*[tiab] OR Mullerian abnomalit*[tiab]) | 472 |
| **4** | #1 OR #2 OR #3 | 5,872 |
| **5** | "Pregnancy"[Mesh] OR "Pregnancy Complications"[Mesh] | 946,765 |
| **6** | ("Delivery, Obstetric"[Mesh] OR "Infant, low birth weight"[Mesh] OR "Apgar Score"[Mesh] OR "Fetal growth retardation"[Mesh] OR "Pregnancy, ectopic"[Mesh] OR "Intensive Care, Neonatal"[Mesh] OR "Reproductive techniques"[Mesh] OR "Infertility, female"[Mesh]) | 322,265 |
| **7** | ((Infant OR perinatal OR fetal OR maternal) AND (death OR compromise OR mortality OR morbidity)) OR ((pregnancy OR reproductive OR neonatal OR maternal) AND (outcome*)) OR ((Premature OR preterm) AND (labor OR delivery OR birth)) OR (Fetal AND (malpresentation OR malposition)) OR ((Pregnancy OR postpartum OR antepartum OR prepartum) AND (bleeding OR hemorrhage)) OR (Placenta* AND (previa OR abrupt*)) OR ((Retain* OR retention) AND placent*) OR ((Embryo OR blastocyst OR oocyte) AND transfer*) | 964,037 |
| **8** | APGAR[tiab] OR "Intrauterine growth restriction"[tiab] OR Cesarean[tiab] OR Caesarean[tiab] OR "Obstructed labor"[tiab] OR preeclampsia[tiab] OR pre-eclampsia[tiab] OR miscarriage[tiab] OR Fertility[tiab] OR conception[tiab] OR "Assisted reproduction"[tiab] OR "Assisted reproductive"[tiab] OR Ivf[tiab] OR ICSI[tiab] OR "In vitro fertilization"[tiab] OR "Intracytoplasmic sperm injection"[tiab] OR "small for gestational age"[tiab] | 280,043 |
| **9** | #5 OR #6 OR #7 OR #8 | 1,648,261 |
| **10** | #4 AND #9 | 3,017 |

| | | |
|---|---|---|
| **11** | #10 NOT ("review"[Publication Type] OR "review literature as topic"[MeSH Terms] )) | 2,643 |

**EMBASE**

| **Search** | **Query** | **Items found** |
|---|---|---|
| **1** | 'uterus malformation'/exp | 6,849 |
| **2** | (('unicornuate' OR 'didelphys' OR 'didelphus' OR 'bicornuate' OR 'septa*' OR 'septu*' OR 'subsepta*' OR 'subseptu*' OR 'sub-septa*' OR 'sub-septu*' OR 't-shape*' OR 'arcuate') NEAR/2 ('uterus' OR 'uterine')):ab,ti | 3,306 |
| **3** | (mullerian NEXT/2 anomal*) OR (mullerian NEXT/2 abnomalit*) | 1,232 |
| **4** | #1 OR #2 OR #3 | 8,635 |
| **5** | 'pregnancy'/exp OR 'abortion'/exp OR 'placenta disorder'/exp OR 'pregnancy complication'/exp OR 'labor complication'/exp OR 'ectopic pregnancy'/exp OR 'fetus disease'/exp OR 'high risk pregnancy'/exp OR 'obstetric emergency'/exp OR 'prolonged pregnancy'/exp OR 'postpartum hemorrhage'/exp OR 'uterine atony'/exp OR 'maternal morbidity'/exp OR 'uterus contraction'/exp OR 'uterine cervix ripening'/exp OR 'low birth weight'/exp OR 'prematurity'/exp OR 'immaturity'/exp OR 'infertility therapy'/exp OR 'intrauterine growth retardation'/exp OR 'infertility'/exp | 1,264,713 |
| **6** | (infant OR perinatal OR fetal OR maternal) AND (death OR compromise OR mortality OR morbidity) OR ((pregnancy OR reproductive OR neonatal OR maternal) AND outcome*) OR ((premature OR preterm) AND (labor OR delivery OR birth)) OR (fetal AND (malpresentation OR malposition)) OR ((pregnancy OR postpartum OR antepartum OR prepartum) AND (bleeding OR hemorrhage)) OR (placenta* AND (previa OR abrupt*)) OR ((retain* OR retention) AND placent*) OR ((embryo OR blastocyst OR oocyte) AND transfer*) | 661,958 |
| **7** | 'apgar':ab,ti OR 'cesarean':ab,ti OR 'caesarean':ab,ti OR 'obstructed labor':ab,ti OR 'preeclampsia':ab,ti OR 'pre-eclampsia':ab,ti OR 'miscarriage':ab,ti OR 'fertility':ab,ti OR 'conception':ab,ti OR 'assisted reproduction':ab,ti OR 'assisted reproductive':ab,ti OR 'ivf':ab,ti OR 'icsi':ab,ti | 370,781 |

| | | |
|---|---|---|
| | OR 'in vitro fertilization':ab,ti OR 'intracytoplasmic sperm injection':ab,ti OR 'iugr':ab,ti OR 'small for gestational age':ab,ti | |
| **8** | #5 OR #6 OR #7 | 1,622,469 |
| **9** | #4 AND #8 | 5,314 |
| **10** | #9 NOT ('animal cell'/de OR 'animal experiment'/de OR 'animal model'/de OR 'animal tissue'/de OR 'nonhuman'/de) | 4,463 |
| **11** | #10 NOT 'review'/it | 4,088 |

**COCHRANE**

| **Search** | **Query** | **Items found** |
|---|---|---|
| **1** | MeSH descriptor: [Uterus] explode all trees | 2,885 |
| **2** | MeSH descriptor: [Congenital Abnormalities] explode all trees | 6,231 |
| **3** | #1 and #2 | 22 |
| **4** | ((unicornuate or didelphys or didelphus or bicornuate or septa* or septu* or subsepta* or subseptu* or sub-septa* or sub-septu* or T-shape* or arcuate) and (uterus or uterine or uteri*)):ti,ab,kw (Word variations have been searched) | 161 |
| **5** | Mullerian anomal* or Mullerian abnomalit*:ti,ab,kw (Word variations have been searched) | 33 |
| **6** | #3 or #4 or #5 | 206 |
| **7** | MeSH descriptor: [Pregnancy] explode all trees | 22,464 |
| **8** | MeSH descriptor: [Pregnancy Complications] explode all trees | 12,119 |
| **9** | MeSH descriptor: [Delivery, Obstetric] explode all trees | 5,301 |
| **10** | MeSH descriptor: [Infant, Low Birth Weight] explode all trees | 2,223 |
| **11** | MeSH descriptor: [Apgar Score] explode all trees | 693 |
| **12** | MeSH descriptor: [Fetal Growth Retardation] explode all trees | 400 |
| **13** | MeSH descriptor: [Pregnancy, Ectopic] explode all trees | 179 |
| **14** | MeSH descriptor: [Intensive Care, Neonatal] explode all trees | 335 |
| **15** | MeSH descriptor: [Reproductive Techniques] explode all trees | 3,964 |
| **16** | MeSH descriptor: [Infertility] explode all trees | 3,459 |
| **17** | ((Infant OR perinatal OR fetal OR maternal) AND (death OR compromise OR | 71,258 |

| | | |
|---|---|---|
| | mortality OR morbidity)) OR ((pregnancy OR reproductive OR neonatal OR maternal) AND (outcome*)) OR ((Premature OR preterm) AND (labor OR delivery OR birth)) OR (Fetal AND (malpresentation OR malposition)) OR ((Pregnancy OR postpartum OR antepartum OR prepartum) AND (bleeding OR hemorrhage)) OR (Placenta* AND (previa OR abrupt*)) OR ((Retain* OR retention) AND placent*) OR ((Embryo OR blastocyst OR oocyte) AND transfer*) (Word variations have been searched) | |
| **18** | APGAR or "Intrauterine growth restriction" or Cesarean or Caesarean or "Obstructed labor" or preeclampsia or pre-eclampsia or miscarriage or Fertility or conception or "Assisted reproduction" or "Assisted reproductive" or Ivf or ICSI or "In vitro fertilization" or "Intracytoplasmic sperm injection" or "small for gestational age":ti,ab,kw (Word variations have been searched) | 63,351 |
| **19** | #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 | 93,471 |
| **20** | #6 and #19 | 154 |

Table S2. Study Quality Assessment for Cohort studies (Newcastle-Ottawa Scale)

| Study | Selection | | | | Comparability | Outcome | | | Total Number of Stars |
|---|---|---|---|---|---|---|---|---|---|
| | Exposed Cohort | Non-exposed Cohort | Ascertainment of Exposure | Outcome of Interest | | Assessment of Outcome | Length of Follow-Up | Adequacy of Follow-Up | |
| Forde, 1978 | * | * | * | / | / | * | * | * | 6 |
| Sorensen and Trauelsen, 1987 | * | * | * | * | / | * | * | * | 7 |
| Ben-Rafael, 1991 | * | * | * | / | / | * | * | * | 6 |
| Acien, 1993 | * | * | * | * | / | * | * | * | 7 |
| Maneschi, 1995 | * | * | * | * | / | * | * | * | 7 |
| Zupi, 1996 | * | * | * | * | / | * | * | * | 7 |
| Cooney, 1998 | * | * | * | / | * | * | * | * | 7 |
| Ravasia, 1999 | * | * | * | * | / | * | * | * | 7 |
| Woelfer, 2001 | * | * | * | * | / | * | * | * | 7 |
| Shuiqing, 2002 | * | * | * | * | / | * | * | * | 7 |
| Erez, 2007 | * | * | * | * | / | * | * | * | 7 |
| Zlopasa, 2007 | * | * | * | * | / | * | * | * | 7 |
| Ban-Frangez, 2009 | * | * | * | * | ** | * | * | * | 9 |
| Liang, 2010 | * | * | * | / | * | * | * | * | 7 |
| Saravelos, 2010 | * | * | * | * | / | * | * | * | 7 |
| Zhang, 2010 | * | * | * | * | / | * | * | * | 7 |
| Hua, 2011 | * | * | * | / | ** | * | * | * | 8 |
| Jayaprakasan, 2011 | * | * | * | * | * | * | * | * | 8 |
| Fox, 2014 | * | * | * | / | / | * | * | * | 6 |
| Takami, 2014 | * | * | * | / | / | * | * | * | 6 |
| Hiersch, 2016 | * | * | * | / | / | * | * | * | 6 |
| Li, 2017 | * | * | * | / | / | * | * | * | 6 |
| Mastrolia, 2017 | * | * | * | * | / | * | * | * | 7 |
| Ozugur, 2017 | * | * | * | / | * | * | * | * | 7 |
| Mastrolia, 2018 | * | * | * | * | / | * | * | * | 7 |
| Ples, 2018 | * | * | * | * | / | * | * | * | 7 |
| Prior, 2018 | * | * | * | * | / | * | * | * | 7 |
| Cahen-Peretz, 2019 | * | * | * | * | / | * | * | * | 7 |
| Chen, 2019 | * | * | * | * | ** | * | * | * | 9 |
| Neal, 2019 | * | * | * | / | / | * | * | * | 6 |
| Ouyang, 2020 | * | * | * | * | / | * | * | * | 7 |
| Kong, 2021 | * | * | * | * | ** | * | * | * | 9 |
| Zambrotta, 2021 | * | * | * | / | / | * | * | * | 6 |
| Zhang, 2021 | * | * | * | * | / | * | * | * | 7 |

Table S3. Study Quality Assessment for Case-Control Studies (Newcastle-Ottawa Scale)

| Study | Selection | | | | Comparability | Exposure | | | Total Number of Stars |
|---|---|---|---|---|---|---|---|---|---|
| | Definition of Cases | Representativeness of Cases | Selection of Controls | Definition of Controls | | Assessment of Exposure | Method of Ascertainment | Non-Response Rate | |
| Sugiura-Ogasawara, 2010 | * | * | * | * | / | * | * | / | 6 |
| Tomazevic, 2010 | * | * | * | * | ** | * | * | / | 8 |
| Chen, 2018 | * | * | * | * | * | * | * | / | 7 |