

**ACR Appropriateness Criteria®**  
**Literature Search**  
**Growth Disturbances-Risk of Fetal Growth Restriction**

Literature Search Performed on: 4/14/17

Beginning Date: January 2012

End Date: March 2017

Database: Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 Fetal Growth Retardation/ (14734)
  - 2 fetal growth restriction.mp. (3026)
  - 3 intrauterine growth retardation.mp. (5439)
  - 4 intrauterine growth restriction.mp. (4778)
  - 5 neonatal outcomes.mp. (4515)
  - 6 short term neonatal outcomes.mp. (48)
  - 7 long term neonatal outcomes.mp. (10)
  - 8 exp Diagnostic Imaging/ (2386465)
  - 9 1 or 2 or 3 or 4 (20752)
  - 10 8 and 9 (4368)
  - 11 limit 10 to (abstracts and english language and humans and yr="2012 -Current") (742)
  - 12 limit 11 to case reports (69)
  - 13 11 not 12 (673)
  - 14 limit 13 to "all child (0 to 18 years)" (356)
  - 15 remove duplicates from 14 (335)

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Literature Search Performed on: 4/14/17

Beginning Date: January 1900

End Date: March 2017

Database: Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

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- 1 \*Fetal Monitoring/mt [Methods] (1706)
  - 2 Perinatal Mortality/ (1727)
  - 3 \*pregnancy, high-risk/ (1974)
  - 4 \*Ultrasonography, Prenatal/ or Ultrasonography/ (181722)
  - 5 1 and 2 and 3 and 4 (2)
  - 6 \*Fetal Growth Retardation/di and \*Fetal Growth Retardation/th [Diagnosis,Therapy] (25)
  - 7 Fetal Growth Retardation/dg [Diagnostic Imaging] (1794)
  - 8 \*Fetal Heart/dg [Diagnostic Imaging] (846)
  - 9 4 and 7 and 8 (14)
  - 10 Fetal Growth Retardation/mo [Mortality] (272)
  - 11 Developmental Disabilities/di, ep [Diagnosis, Epidemiology] (6609)
  - 12 4 and 10 and 11 (2)
  - 13 Hypertension, Pregnancy-Induced/ep [Epidemiology] (757)
  - 14 Pregnancy Complications/ep [Epidemiology] (9703)
  - 15 \*Pregnancy Outcome/ (16078)
  - 16 Stillbirth/ep [Epidemiology] (1423)
  - 17 13 and 14 and 15 and 16 (3)
  - 18 Hypertension/co [Complications] (41451)
  - 19 Pregnancy Complications/ (84576)
  - 20 Pre-Eclampsia/co [Complications] (2508)
  - 21 Body Weight/ (178047)

- 22 18 and 19 and 20 and 21 (5)
- 23 Fetal Development/ph [Physiology] (2013)
- 24 Cephalometry/ (25244)
- 25 4 and 23 and 24 (4)
- 26 5 or 6 or 9 or 12 or 17 or 22 or 25 (55)
- 27 remove duplicates from 26 (51)

Literature Search Performed on: 8/22/16

Beginning Date: January 2012

End Date: July 2016

Database: Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) <1946 to Present>

Search Strategy:

- 1 Fetal Growth Retardation/ (14180)
- 2 fetal growth restriction.mp. (2772)
- 3 intrauterine growth retardation.mp. (5291)
- 4 intrauterine growth restriction.mp. (4483)
- 5 neonatal outcomes.mp. (4089)
- 6 short term neonatal outcomes.mp. (37)
- 7 long term neonatal outcomes.mp. (10)
- 8 1 and (6 or 7) (4)
- 9 2 and (6 or 7) (1)
- 10 exp Diagnostic Imaging/ (1933809)
- 11 1 or 2 or 3 or 4 (19875)
- 12 10 and 11 (3694)
- 13 limit 12 to (abstracts and english language and humans and yr="2012 -Current") (545)
- 14 limit 13 to case reports (45)
- 15 13 not 14 (500)
- 16 limit 15 to "all child (0 to 18 years)" (258)
- 17 15 not 16 (242)
- 18 8 or 9 or 17 (246)
- 19 remove duplicates from 18 (236)
- 20 cerebro-placental ratio.mp. (25)
- 21 cerebroplacental ratio.mp. (113)
- 22 20 or 21 (137)
- 23 limit 22 to (abstracts and english language and yr="2012 -Current") (85)
- 24 19 or 23 (313)
- 25 remove duplicates from 24 (308)

## Summary

Source	#Unique Refs	#Retained Refs
Old bibliography	24	9
Literature Search(es)	694	34
Author Added	6	6
Supporting Docs	6	6
Total		55

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.