

**Literature Search**  
**ACR Appropriateness Criteria®**  
**First Trimester Vaginal Bleeding**

Literature Search Performed on: 03/30/2023

Beginning Date: January 2016

End Date: February 2023

Database: Ovid MEDLINE(R) ALL <1946 to March 29, 2023>

**Search Strategy**

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- 1 Pregnancy/ (978690)
- 2 first trimester/ (18245)
- 3 1 and 2 (18229)
- 4 vaginal bleeding/ (10105)
- 5 3 and 4 (362)
- 6 (miscarriage/ or gestational trophoblastic disease/ or subchorionic hemorrhage/) and 2 (1642)
- 7 pregnancy,ectopic/ (11508)
- 8 pregnancy, cornual/ or pregnancy,tubal/ (3497)
- 9 pregnancy, interstitial/ (188)
- 10 6 or 7 or 8 or 9 (15903)
- 11 5 or 10 (16133)
- 12 exp diagnostic imaging/ (2897945)
- 13 11 and 12 (3439)
- 14 cesarean section scar pregnancy.mp. (24)
- 15 Arteriovenous Malformations/dg (2759)
- 16 retained products of conception.mp. (486)
- 17 first trimester bleeding.mp. (127)
- 18 (14 or 15 or 16 or 17) and 12 (2666)
- 19 13 or 18 (6039)
- 20 3 and 19 (622)
- 21 limit 20 to (abstracts and english language and humans and yr="2016 -Current") (106)

**Summary**

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Source	#Unique Refs	#Retained Refs
Old bibliography	82	17
Literature Search(es)	106	13
Author Added	11	7
Supporting Docs	5	4
Total		41

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.