Literature Search

ACR Appropriateness Criteria®

Breast Imaging During Lactation

Literature Search Performed on: 08/25/2025

Beginning Date: January 2015

End Date: July 2025

Database: Ovid MEDLINE(R) ALL <1946 to August 22, 2025>

Search Strategy

1 (mammography adj5 lactati$).ti. (2)

2 (mri adj6 breast cancer screening).ti. (54)

3 (supplemental breast adj5 MR$).ti. (6)

4 1 or 2 or 3 (62)

5 (imaging adj4 nipple discharge).ti. (19)

6 (mammography adj5 breast cancer screening).ti. (255)

7 4 or 5 or 6 (327)

8 limit 7 to (abstracts and english language and humans and yr="2015 -Current") (131)

9 (breast imaging adj5 lactating).ti. (7)

10 8 or 9 (138)

11 mammography versus breast MRI.ti. (1)

12 (mammography adj3 to breast MRI).ti. (17)

13 10 or 11 or 12 (154)

14 limit 13 to yr="2015 -Current" (150)

15 "dog diseases"/ or "cat diseases"/ or "mice, inbred c57bl"/ or cattle/ or turkey/ or rabbits/ or swine/ or ((animal* or canine* or dog* or feline* or cat* or hamster* or lamb* or mice or monkey* or mouse or murine or pig* or porcine or primate* or rabbit* or rat* or rodent* or sheep* or swine or veterinar* or (vitro not vivo)) not (human* or patient*)).ti,ab,kw. (8509241)

16 14 not 15 (90)

17 molecular breast imaging.ti. (107)

18 clinical protocols/ or Consensus/ or "Consensus Development Conference".pt. or "Consensus Development Conference, NIH".pt. or Consensus Development Conferences as Topic/ or Consensus Development Conferences, NIH as Topic/ or critical pathway/ or guidelines as topic/ or practice guidelines as topic/ or Health Planning Guidelines/ or practice guideline/ or (clinical adj3 pathway).ti,ab,kf. or (clinical adj3 pathways).ti,ab,kf. or (practice adj3 parameter).ti,ab,kf. or (practice adj3 parameters).ti,ab,kf. or algorithms/ or (care adj2 pathway).ti,ab,kf. or (care adj2 pathways).ti,ab,kf. or guidance.ti,ab. or guideline*.ti. (849100)

19 17 and 18 (11)

20 16 or 19 (101)

21 contrast-enhanced mammography versus breast magnetic resonance imaging.ti. (3)

22 20 or 21 (104)

23 limit 22 to yr="2015 -Current" (102)

Literature Search Performed on: 02/11/2025

Beginning Date: January 2014

End Date: January 2025

Database: Ovid MEDLINE(R) ALL <1946 to February 11, 2025>

Search Strategy

1 exp diagnostic imaging/ or Technetium Tc 99m Sestamibi/ or Mammography/ or Digital breast tomosynthesis.mp. or ultrasonography, breast/ or Fluorodeoxyglucose F18/ or Positron Emission Tomography Computed Tomography/ or Magnetic Resonance Imaging, breast/ (3029706)

2 Lactation/ or Breast Feeding/ or Lactating/ or Lactating breast/ (90862)

3 Breast neoplasm/ or Mastitis/ or Nipple Discharge/ or Palpable Mass/ or Breast infection/ or Nipple change/ or Abscess/ or Idiopathic Granulomatous Mastitis/ or Breast Cancer/ or Puerperium/ (417193)

4 2 and 3 (7434)

5 1 and 4 (283)

Literature Search

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Breast Imaging During Lactation

6 limit 5 to (abstracts and english language and yr="2014 -Current") (81)

7 (breast imaging adj6 lactation).ti,ab,kw. (13)

8 breast imaging during lactation.tw. (1)

9 clinical protocols/ or Consensus/ or "Consensus Development Conference".pt. or "Consensus Development Conference, NIH".pt. or Consensus Development Conferences as Topic/ or Consensus Development Conferences, NIH as Topic/ or critical pathway/ or guidelines as topic/ or practice guidelines as topic/ or Health Planning Guidelines/ or practice guideline/ or (clinical adj3 pathway).ti,ab,kf. or (clinical adj3 pathways).ti,ab,kf. or (practice adj3 parameter).ti,ab,kf. or (practice adj3 parameters).ti,ab,kf. or algorithms/ or (care adj2 pathway).ti,ab,kf. or (care adj2 pathways).ti,ab,kf. or guidance.ti,ab. or guideline*.ti. (819938)

10 5 and 9 (8)

11 6 or 7 or 8 or 10 (94)

12 ("case reports" or "clinical conference" or comment or congress or editorial or letter or news).pt. or ("case report*" or comment* or editorial or letter or news).ti. or ((protocol and (study or trial)) not ("therapy protocol*" or "treatment protocol*")).ti. (5014701)

13 11 not 12 (80)

14 ((animal or animals or canine* or dog or dogs or feline or hamster* or lamb or lambs or mice or monkey or monkeys or mouse or murine or pig or piglet* or pigs or porcine or primate* or rabbit* or rat or rats or rodent* or sheep* or swine or veterinar* or (vitro not vivo)) not (human* or patient*)).ti,ab,kw. (3959753)

15 13 not 14 (76)

16 limit 15 to animals (7)

17 15 not 16 (69)

Summary

Source	Excluded	Included in document	Included in Evidence Table
Old Bib	0	0	0
Lit Search 1,2,3...	138	26	23
Hand Search	NA	19	16
Author Added	NA	31	19
Guidance Documents	NA	15	10
Total	138	91	68

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.