

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Monitoring Response to Neoadjuvant Systemic Therapy for Breast Cancer**

Literature Search Performed on: 6/8/16

Beginning date: January 2015

End date: May 2016

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

Search Strategy:

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- 1 \*Neoplasm Staging/ (6242)
  - 2 \*Drug Therapy/ (22431)
  - 3 Neoadjuvant Therapy/ (13707)
  - 4 locally advanced breast cancer.mp. (1728)
  - 5 \*Breast Neoplasms/ (201189)
  - 6 clinical breast exam.mp. (153)
  - 7 exp Diagnostic Imaging/ (1910175)
  - 8 molecular breast imaging.mp. or Technetium Tc 99m Sestamibi/ (5160)
  - 9 (1 or 2 or 3) and (4 or 5) (3694)
  - 10 9 and (6 or 7 or 8) (627)
  - 11 limit 10 to "all child (0 to 18 years)" (8)
  - 12 10 not 11 (619)
  - 13 limit 12 to (abstracts and english language and humans and yr="2015 -Current") (51)
  - 14 limit 13 to case reports (0)
  - 15 13 not 14 (51)
  - 16 remove duplicates from 15 (48)

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Literature Search Performed on: 7/14/15

Beginning date: January 2009

End date: June 2015

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

Search Strategy:

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- 1 3D mammography.mp. (14)
  - 2 tomosynthesis.m\_titl. (608)
  - 3 Breast Neoplasms/ or Breast/ (247021)
  - 4 (1 or 2) and 3 (256)
  - 5 limit 2 to "all child (0 to 18 years)" (11)
  - 6 4 not 5 (255)
  - 7 limit 6 to (abstracts and english language and humans and yr="2009 -Current") (181)
  - 8 limit 7 to case reports (3)
  - 9 7 not 8 (178)
  - 10 remove duplicates from 9 (161)

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Literature Search Performed on: 2/27/2015

Beginning date: January 2004

End date: January 2015

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

Search Strategy:

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- 1 \*Neoplasm Staging/ (5595)
  - 2 \*Drug Therapy/ (21942)
  - 3 Neoadjuvant Therapy/ (11663)
  - 4 locally advanced breast cancer.mp. (1546)
  - 5 \*Breast Neoplasms/ (183269)
  - 6 clinical breast exam.mp. (137)
  - 7 exp Diagnostic Imaging/ (1765269)
  - 8 molecular breast imaging.mp. or Technetium Tc 99m Sestamibi/ (4951)
  - 9 (1 or 2 or 3) and (4 or 5) (3220)
  - 10 9 and (6 or 7 or 8) (538)
  - 11 limit 10 to "all child (0 to 18 years)" (9)
  - 12 10 not 11 (529)
  - 13 limit 12 to (abstracts and english language and humans and yr="2004 -Current") (385)
  - 14 limit 13 to case reports (13)
  - 15 13 not 14 (372)
  - 16 remove duplicates from 15 (367)

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### Literature Search Summary

A literature search was conducted in February and July 2015 and updated in June 2016 to identify evidence for the *ACR Appropriateness Criteria<sup>®</sup> Monitoring Response to Neoadjuvant Systemic Therapy for Breast Cancer* topic. Using the search strategies described above, 576 articles were found. Eighty-seven articles were used in the topic. The remaining articles were not used due to either poor study design, the articles were not relevant or generalizable to the topic, or the results were unclear or biased.

The author added 40 citations from bibliographies, websites, or books that were not found in the literature searches, including 13 articles outside of the search date ranges.

One citation is a supporting document that was added by staff.