Literature Search

ACR Appropriateness Criteria®

Imaging of Invasive Breast Cancer

Literature Search Performed on: 02/03/2021

Beginning Date: January 2010

End Date: January 2021

Database: Ovid MEDLINE(R) ALL <1946 to February 01, 2021>

Search Strategy

1 Breast Neoplasms/ (291604)

2 Neoplasm Staging/ (177611)

3 Neoplasm Invasiveness/ (83779)

4 Neoplasm Metastasis/ (107645)

5 Neoplasms, Second Primary/ (15059)

6 Mammography/ (30348)

7 Magnetic Resonance Imaging/ (412541)

8 Survival Analysis/ (138330)

9 Prognosis/ (523696)

10 (1 and 3 and 6 and 7 and Image Enhancement/) or (1 and 5 and 6 and 7 and Breast/dg) or (1 and 4 and 8 and 9 and Biomarkers, Tumor/ and metastasis.tw.) or (1 and 2 and Axilla/dg and Positron Emission Tomography Computed Tomography/) or (1 and 3 and 6 and 7 and Neoplasm, Residual/) or (1 and 2 and 4 and Diagnostic Imaging/mt) or (1 and 2 and 4 and 5 and 6) (63)

11 "Sensitivity and Specificity"/ (351707)

12 Mastectomy/ (21813)

13 Prospective Studies/ (562091)

14 Fluorodeoxyglucose F18/ (30684)

15 Positron-Emission Tomography/ (53893)

16 Tomography, X-Ray Computed/ (387354)

17 Antineoplastic Combined Chemotherapy Protocols/ (143227)

18 Chemotherapy, Adjuvant/ (41541)

19 Neoadjuvant Therapy/ (21630)

20 (1 and 6 and 7 and 11 and (mr* imaging or magnetic resonance imaging).tw. and breast cancer*.mp. and mammography.mp. and diagnos*.mp.) or (1 and 2 and 6 and 7 and 12) or (1 and 6 and 7 and 11 and 13 and breast.tw.) or (1 and 2 and 7 and 12 and breast.tw.) or (1 and 7 and 13 and Neoplasms, Multiple Primary/) or (1 and 7 and 14 and 15 and 16 and breast.tw.) or (4 and 11 and 14 and 15 and 16) or (1 and 14 and 15 and 16 and 17 and breast.tw.) or (1 and 4 and 14 and 15 and 17) or (1 and 11 and 14 and Radionuclide Imaging/) or (1 and 11 and 14 and 15 and 16 and breast.tw.) or (15 and 16 and 17 and 18 and 19) or (1 and 14 and 15 and 19 and breast.tw.) or (1 and 7 and 13 and 16 and breast.mp.) or (1 and 7 and Mastectomy, Segmental/ and magnetic resonance.mp. and ductal carcinoma.mp.) (730)

21 breast.tw. and ((1 and 4 and 14 and 15) or (1 and 6 and 7 and 11 and 13) or (1 and 2 and 14 and 15 and Neoplasm Grading/) or (1 and 6 and 7 and 12 and breast cancer.mp.) or (1 and 2 and 7 and 13 and ductal carcinoma.mp.) or (1 and 6 and 7 and 11 and ductal carcinoma.mp. and MR imaging.mp.) or (1 and 7 and 12 and ductal carcinoma.mp.) or (1 and 14 and Diffusion Magnetic Resonance Imaging/)) (303)

22 exp Diagnostic Imaging/ (2684496)

23 Breast Neoplasms/ and (Neoplasm Staging/ or Neoplasm Invasiveness/ or Neoplasm Metastasis/ or Carcinoma, Lobular/ or Carcinoma, Ductal, Breast/ or Carcinoma, Intraductal, Noninfiltrating/ or Neoadjuvant Therapy/ or Chemotherapy, Adjuvant/) (69001)

24 (imaging or stag* or surveillance or metasta* or screening or advanced).tw. (3276389)

25 breast.tw. and ("early stage" or "stage 0" or "stage 1" or "stage 2" or "stage I" or "stage II" or "invasive" or "breast" or "breast cancer" or "neoadjuvant" or "chemotherapy").mp. (444044)

26 22 and 23 and 24 and 25 (6838)

27 10 or 20 or 21 or 26 (7320)

28 limit 27 to (abstracts and english language and humans and yr="2010 -Current") (3413)

29 limit 28 to "all child (0 to 18 years)" (102)

30 28 not 29 (3311)

31 limit 30 to (case reports or "review") (528)

32 30 not 31 (2783)

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33 32 and (Clinical Trial/ or Observational Study/ or Prospective Studies/ or Retrospective Studies/ or Follow-up Studies/ or Evaluation Study/ or Multicenter Study/ or Comparative Study/ or Meta-Analysis/ or Feasibility Studies/) (1785)

34 33 or (Evidence on breast imaging surveillance or Brain metastases in newly diagnosed breast cancer or T1-2 breast cancer patients who receive breast-conserving therapy or Preoperative breast MR imaging in newly diagnosed breast cancer).tw. or (Pre-operative magnetic resonance imaging and surgical treatment for breast cancer).tw. (1790)

35 remove duplicates from 34 (1790)

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Summary

Source	#Unique Refs	#Retained Refs
Old bibliography	0	0
Literature Search(es)	1790	91
Author Added	127	115
Supporting Docs	5	5
Total		211

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.