

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Evaluation of Nipple Discharge**

Literature Search Performed on: 07/21/2020

Beginning Date: January 2010

End Date: June 2020

Database: Ovid MEDLINE(R) ALL <1946 to July 17, 2020>

**Search Strategy**

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- 1 Nipples/ (5151)
- 2 "exudates and transudates"/ (10449)
- 3 serosanguinous.mp. (222)
- 4 nipple discharge.tw. (992)
- 5 1 and (2 or 3) (183)
- 6 breast disease/ and nipple discharge/ (18)
- 7 breast neoplasms/ and nipple discharge/ (37)
- 8 nipple discharge/ (53)
- 9 nipple discharge.m\_titl. (437)
- 10 exp diagnostic imaging/ (2635449)
- 11 exp mammography/ (29912)
- 12 Ultrasonography, Mammary/ (5338)
- 13 Biopsy, Fine-Needle/ (13417)
- 14 10 or 11 or 12 or 13 (2642910)
- 15 4 or 5 or 6 or 7 or 8 or 9 (1030)
- 16 14 and 15 (382)
- 17 limit 16 to (abstracts and english language and humans and yr="2010 -Current") (118)
- 18 limit 17 to "all child (0 to 18 years)" (25)
- 19 17 not 18 (93)
- 20 breast imaging of transgender.tw. (2)
- 21 male breast diseases.tw. (17)
- 22 male nipple.tw. (44)
- 23 20 or 21 or 22 (63)
- 24 19 or 23 (156)

**Summary**

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Source	#Unique Refs	#Retained Refs
Old bibliography	73	53
Literature Search(es)	145	1
Author Added	17	16
Supporting Docs	1	1
Total		71

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.