**Research Overview**This systematic review and meta-analysis assesses decision aids in the context of patients considering post-mastectomy breast reconstruction.

**Methods**

The methods adhere to accepted systematic review standards. Comprehensive literature searches were run in the databases CINAHL, Cochrane Central Register of Controlled Trials, Embase, Ovid MEDLINE, and PubMed. The resulting citations were imported into Endnote X6 (Clarivate Analytics) to eliminate duplicates. The remaining citations were moved to Distiller SR (Evidence Partners) to facilitate the eligibility screening process. Screening consisted of two rounds. The first was of titles and abstracts (Level 1). The second, full-text (Level 2). The screening criteria used to determine inclusion/exclusion is included in columns E and F of each screening spreadsheet. The studies that passed the two levels of screening were included in the review.

**File descriptions**

Access to a program or software that reads .pdf and .xlsx is necessary to open several of the files. Endnote is required to open the .enlx file and interpret the .ris, .txt, and .cgi files.

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| File name | Description |
| DecisionAidSearches.pdf | This file contains the complete, reproducible search strategies for all databases searched during the review. To rerun the searches, paste into the corresponding databases. Results will likely differ from those reported because of the time that has elapsed since the searches were run.  |
| DecisionAids.enlx | This is an Endnote X6 file that contains all citations collected through the literature searches. Duplicate citations were removed in this program and are therefore not included.  |
| * Cinahl542June262017.ris
* Cinahl579January32018.ris
* Cochrane90June262017.txt
* Cochrane100June32018.txt
* Embase550June262017.txt
* Embase590January32018.txt
* Ovid613June262017.cgi
* Ovid668January32018.cgi
* PubMed421June262017.txt
* PubMed440January32018.txt
 | These files contain the citations from each database search. The files are compatible with Endnote X6 and can be imported using the appropriate import options within Endnote X6. The file names include the database searched, the number of citations resulting from that search, and the date the search was run. The searches were run on twice during the project; hence, the multiple files for each database. To import the citations into Endnote X6, follow the steps below. These steps are for the Mac version of Endnote. The Windows version may differ. For CINAHL files: Endnote X6 🡪 File 🡪 Import 🡪 File 🡪 Import file (select the CINAHL file included in this dataset) 🡪 Import option (Reference Manager (RIS)) 🡪 ImportFor Cochrane files:Endnote X6 🡪 File 🡪 Import 🡪 File 🡪 Import file (select the Cochrane file included in this dataset) 🡪 Import option (Cochrane Library (Wiley)) 🡪 ImportFor Embase files:Endnote X6 🡪 File 🡪 Import 🡪 File 🡪 Import file (select the Embase file included in this dataset) 🡪 Import option (EMBASE.com) 🡪 ImportFor Ovid files:Endnote X6 🡪 File 🡪 Import 🡪 File 🡪 Import file (select the Ovid file included in this dataset) 🡪 Import option (MEDLINE (OvidSP)) 🡪 ImportFor PubMed files:Endnote X6 🡪 File 🡪 Import 🡪 File 🡪 Import file (select the PubMed file included in this dataset) 🡪 Import option (PubMed (NLM)) 🡪 Import |
| MastectomyLevel1TitleAbstractIncludes102.xlsx | This file lists the 102 citations that passed the title/abstract screening phase (Level 1). All citations in this spreadsheet received answers of ‘Yes’ or ‘Maybe’ to the questions in columns E and F. A response of ‘Maybe’ means that there was insufficient information to answer ‘Yes’ or ‘No’ conclusively. A ‘Maybe’ during screening is equivalent to ‘Yes’, because only conclusive ‘No’ decisions are grounds for exclusion. Column Legend:A = Refid = The unique identifier used in Distiller SR for individual citations. B = Bibliography = Citation referenceC = User = The author who participated in screening. Each Refid has two entries, one for both screeners. D = Level = Level 1 equates to title and abstract screening. Level 2 equates to full-text. E = Does the article test… = The first question posed during this stage of screening. F = Does the article focus… = The second question posed during this stage of screening.  |
| MastectomyLevel1TitleAbstractExcludes1197.xlsx | This file lists the 1197 citations excluded during the title/abstract screening phase (Level 1). An answer of ‘No’ to the question in either column E or F resulted in exclusion. Column F has responses only if the answer in column E had a ‘Yes’ or ‘Maybe’ response. Blank cells in column F mean no answer was necessary. Column Legend:A = Refid = The unique identifier used in Distiller SR for individual citations. B = Bibliography = Citation referenceC = User = The author who participated in screening. Each Refid has two entries, one for both screeners. D = Level = Level 1 equates to title and abstract screening. Level 2 equates to full-text. E = Does the article test… = The first question posed during this stage of screening. F = Does the article focus… = The second question posed during this stage of screening.  |
| MastectomyLevel2FullTextExcludes75.xlsx | This file lists the 75 citations excluded during the full-text screening phase (Level 2). An answer of ‘No’ to either question in column E or F resulted in exclusion. Empty cells in column F mean that no answer was necessary. Column Legend:A = Refid = The unique identifier used in Distiller SR for individual citations. B = Bibliography = Citation referenceC = User = The author who participated in screening. Each Refid has two entries, one for both screeners. D = Level = Level 1 equates to title and abstract screening. Level 2 equates to full-text. E = Does the article test… = The first question posed during this stage of screening. F = Does the article focus… = The second question posed during this stage of screening. |
| MastectomyLevel2FullTextIncludes27.xlsx | This file lists the 27 citations included during the full-text screening phase (Level 2). All citations in this spreadsheet received answers of ‘Yes’ to the questions in columns E and F. An additional 10 citations were excluded after further review. Column Legend:A = Refid = The unique identifier used in Distiller SR for individual citations. B = Bibliography = Citation referenceC = User = The author who participated in screening. Each Refid has two entries, one for both screeners. D = Level = Level 1 equates to title and abstract screening. Level 2 equates to full-text. E = Does the article test… = The first question posed during this stage of screening. F = Does the article focus… = The second question posed during this stage of screening. |