

SDC 1. Search Strategy.

Actual Strategy
<p>6.16.2020 PubMed (90) (((((((((((("Transsexualism/surgery"[Mesh]) OR ("Sex Reassignment Surgery"[Mesh]) OR "Sex Reassignment Procedures"[Mesh])) OR ("Mastectomy"[Mesh:NoExp])) OR (breast surgery OR breast surgeries OR breast amputation OR breast amputations)) OR ("Thoracic Wall/surgery"[Mesh])) OR ("sex change")) OR (sex reassign*)) OR (gender reassign*)) OR (gender confirm*)) OR (chest wall contour)) OR (mastectom* OR "top plasty" OR "top plasties" OR "top surgery" OR "top surgeries")) OR (chest wall surgery OR chest wall surgeries)) AND (((((((("Transgender Persons"[Mesh]) OR "Transsexualism"[Mesh]) OR (transsexual)) OR (transsexual)) OR (transgender)) OR (trans [tiab])) OR (gender dysphoria*))) AND (("Patient Satisfaction"[Mesh]) OR ("Quality of Life"[Mesh])) NOT ("male to female")) NOT (vagin* OR peni*)</p>
<p>6.16.2020 Embase <1974 to 2020 June 15> Search Strategy:</p> <ol style="list-style-type: none"> 1 transgender/ or female to male transgender/ (5583) 2 transsexual.mp. (2104) 3 exp sex reassignment/ (1089) 4 mastectomy/ (42392) 5 chest wall contour.mp. (36) 6 exp thorax wall/su [Surgery] (182) 7 (breast surgery or breast surgeries or breast amputation or breast amputations).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (14196) 8 sex change*.mp. (705) 9 (sex reassign* or gender reassign* or gender confirm*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (2092) 10 (mastectom* or top plasty or top plasties or top surgery or top surgeries or chest wall surgery or chest wall surgeries).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (63510) 11 transgender persons.mp. (528) 12 exp transsexualism/ (3860) 13 exp transsexualism/su [Surgery] (449) 14 (transsexual* or transsexual* or transgender).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (12565) 15 trans.ti. or trans.ab. (152371) 16 gender dysphoria/su [Surgery] (92) 17 exp gender dysphoria/ (5350) 18 exp patient satisfaction/ (137147) 19 exp "quality of life"/ (487841) 20 male-to-female.mp. (163155) 21 (vagin* or peni*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word] (465142) 22 1 or 2 or 11 or 12 or 13 or 14 or 15 or 17 (164564) 23 3 or 4 or 5 or 6 or 8 or 9 or 13 or 16 (45505) 24 22 and 23 (2170) 25 20 or 21 (625293) 26 18 or 19 (606284) 27 24 and 26 (263) 28 27 not 25 (108)
<p>6.16.2020 Scopus (165) (((((TITLE-ABS-KEY ("sex reassignment surgery" OR "sex reassignment surgeries" OR "sex reassignment procedure*")) OR (TITLE-ABS-KEY ("gender reassign*" OR "gender confirm*" OR "sex change")) OR (TITLE-ABS-KEY ("chest wall contour*" OR "chest wall surgery" OR "chest wall surgeries")) OR (TITLE-ABS-KEY ("top plast*" OR "top surgery" OR "top surgeries")) OR (TITLE-ABS-KEY (mastectomy OR "breast surgery" OR "breast surgeries" OR "breast amputation*")) OR (TITLE-ABS-KEY ("thoracic wall surgery" OR "thoracic wall surgeries"))) AND ((TITLE-ABS-KEY (transsexual* OR transsexual* OR transgender OR "gender dysphoria*") OR TITLE-ABS-KEY ("female to male")))) AND NOT (TITLE-ABS-KEY ("male to female" OR vagin* OR peni* OR hormon*))) AND (TITLE-ABS-KEY (outcome* OR "patient satisfaction" OR "quality of life"))</p>
<p>6.16.2020 Web of Science (92) TOPIC: ("sex reassignment surgery" OR "sex reassignment surgeries" OR "sex reassignment procedure*" OR "gender reassign*" OR "gender confirm*" OR "sex change" OR "chest wall contour*" OR "chest wall surgery" OR "chest wall surgeries" OR "top plast*" OR "top surgery" OR "top surgeries" OR mastectomy OR "breast surgery" OR "breast surgeries" OR "breast amputation*" OR "thoracic wall surgery" OR "thoracic wall surgeries") AND TOPIC: (transsexual* OR transsexual* OR transgender OR "gender dysphoria*" OR "female to male") AND TOPIC: (outcome* OR "patient satisfaction" OR "quality of life") NOT TOPIC: ("male to female" OR vagin* OR peni* OR hormon*) Indexes=SCI-EXPANDED, ESCI Timespan=All years</p>

6.16.2020 Database: EBM Reviews - Cochrane Database of Systematic Reviews <2005 to June 11, 2020> Search Strategy:

- 1 transsex*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (8)
- 2 transgender.mp. [mp=title, short title, abstract, full text, keywords, caption text] (19)
- 3 gender dysphoria.mp. [mp=title, short title, abstract, full text, keywords, caption text] (4)
- 4 gender reassign*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (1)
- 5 sex reassign*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (0)
- 6 breast surger*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (46)
- 7 mastectom*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (70)
- 8 top surger*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (0)
- 9 top plast*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (0)
- 10 chest wall surger*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (0)
- 11 chest wall contour*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (0)
- 12 thoracic wall surger*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (0)
- 13 breast amputati*.mp. [mp=title, short title, abstract, full text, keywords, caption text] (2)
- 14 1 or 2 or 3 or 4 (25)
- 15 6 or 7 or 13 (89)
- 16 14 and 15 (0)

6.16.2020 Clinical Trials.gov (0) sex reassignment AND breast or mastectomy* OR top OR chest wall OR thoracic

6.9.2020 Author supplied (3)

	DATABASE	RESULTS	DUPLICATES	REMAINING
	PubMed	90	3	87
	Embase	108	50	58
	Scopus	165	59	106
	Web of Science	92	50	42
	Cochrane Database of Systematic Reviews	0	0	0
	Author Supplied	3	3	0
	TOTAL	458	165	293