

Table 1 Characteristics of included studies (n = 33)

Author, year	Study aims	Sample size	Mean/median age	Majority with high school education	Study setting	Study type	Level of evidence
AbuEInga 2021 [21]	Assess oncologic safety and cosmetic outcomes of extreme oncoplastic therapeutic mammoplasty among patients initially scheduled for mastectomy	36	48.5	Unspecified	Urban	Prospective cohort study	2
Aguiar 2017 [22]	Assess patient-reported outcomes measured by BREAST-Q after implant-based breast reconstruction	114	43	Yes	Urban	Cross-sectional study	3
Archangelo 2019 [23]	Evaluate sexual function, body image, and depression after postmastectomy breast reconstruction	90	48	Unspecified	Urban	Cross-sectional study	3
Athamnah 2021 [24]	Determine clinical outcome, patient satisfaction, and cancer recurrence after nipple-sparing mastectomy	4	30	Unspecified	Urban	Prospective cohort study	2
Chang 2007 [25]	Examine health-related quality of life and attitudes toward breast surgery among breast cancer patients	235	49	Unspecified	Mixed	Cross-sectional study	3
Cortes-Flores 2014 [26]	Determine quality of life among patients treated with one of three different types of surgery for breast cancer	139	48.7	Unspecified	Unspecified	Cross-sectional study	3
Cortes-Flores 2017 [27]	Evaluate and compare the sexuality of women who underwent conservative mastectomy, mastectomy alone, and those who had breast reconstruction after cancer treatment	74	45	Unspecified	Unspecified	Cross-sectional study	3
Deneuer 2012 [28]	Evaluate whether immediate autologous breast reconstruction influences QOL and patient satisfaction outcomes among women with breast cancer in comparison to the traditional mastectomy	200	39 (group 1, w/ recon), 51.5 (group 2, no recon)	Unspecified	Urban	Prospective cohort study	2
Fontes 2019 [29]	Assess the influence of different surgical treatment modalities on the level of physical activity, functional capacity, and quality of life of breast cancer survivors	180	Median BR group: 52	Yes	Urban	Cross-sectional study	3
Fung 2001 [30]	Investigate the effects that different types of breast surgery have on the quality of life of Chinese women	49	44.2	Unspecified	Urban	Retrospective cohort study	3
Hashem 2017 [31]	Compare cosmetic outcomes and patient satisfaction between batwing mammoplasty and Wise pattern mammoplasty	126	44 (Wise pattern mammoplasty), 47 (Batwing mammoplasty)	Unspecified	Urban	Retrospective cohort study	3
He 2017 [32]	Identify associations between radiation, surgery timing relative to radiation, and autologous breast reconstruction	360	42	Unspecified	Urban	Retrospective cohort study	3
He 2019 [33]	Investigate the aesthetic outcomes within implant-based breast reconstruction patients who underwent a novel selection method	135	38.9 ± 8.3 years	Unspecified	Unspecified	Retrospective cohort study	3

Table 1 (continued)

Author, year	Study aims	Sample size	Mean/median age	Majority with high school education	Study setting	Study type	Level of evidence
Paulinelli 2021 [46]	Evaluate the results of a cohort of patients submitted to a new technique of oncoplastic mammoplasty, referred to as Disguised Geometric Compensation Mammoplasty	25	47	Unspecified	Urban	Prospective cohort study	2
Shi 2011 [47]	Examine changes in long-term patient responses and predictors of quality of life outcomes after breast surgery	132	47.70 to 53.84, based on group	Unspecified	Unspecified	Prospective cohort study	2
Sinaei 2017 [48]	Examine quality of life among breast cancer patients with breast reconstruction	146	48.21	Yes	Urban	Cross-sectional study	3
Simontayamas 2017 [49]	Examine long-term effects of different surgical treatments on QoL in Thai women with breast cancer	265	Mastectomy group: 49, BCT group: 47, Mastectomy-Mastectomy-TRAM: 44	Yes	Urban	Cross-sectional study	3
Wang 2022 [50]	Determine incidence of chronic post-surgical pain after single-stage implant-based breast reconstruction	159	40.94	Unspecified	Urban	Retrospective cohort study	3
Yang 2015 [51]	Measure patient satisfaction by breast reconstruction type	285	Unspecified	Yes	Urban	Cross-sectional study	3
Zhang 2015 [52]	Evaluate associations between psychological functioning and patient satisfaction with breast reconstruction	264	44.7	Yes	Urban	Prospective cohort study	2
Zhuang 2022 [53]	Assess decisional conflict, decision regret, self-stigma, and quality of life by breast surgery type	469	46.15	Yes	Urban	Cross-sectional study	3

