

**Table S1** The search strategy summary

Items	Specification
Date of search	Oct 4th, 2023
Databases and other sources searched	Medline ALL, Cochrane Database of Systematic Reviews, Cochrane CENTRAL, Embase, Emcare, PsycINFO, all from OvidSp platform, CINAHL from EBSCOhost, Scopus from Elsevier, and Web of Science from Clarivate, ClinicalTrials.gov, International Clinical Trials Registry Platform, and International Standard Randomised Controlled Trial Number Registry
Search terms used	“Breast Neoplasms”[MeSH] AND (pain[tiab] OR neuropathy[tiab]) AND (lumpectomy[tiab] OR mastectomy[tiab] OR surgery[tiab] OR operation[tiab]) AND “Behavior Therapy” [MeSH] OR Emoton-Focused Therapy [MeSH] OR “Feedback, Psychological” [MeSH] OR “Feedback, Sensory” [MeSH] OR “Hypnosis” [MeSH] OR “Imagery, Psychotherapy” [MeSH] OR Interpersonal Psychotherapy [MeSH] OR “Mentalization-Based Therapy” [MeSH] OR “Narrative Therapy” [MeSH] OR “Person-Centred Psychotherapy” [MeSH] OR “Psychoanalytic Therapy” [MeSH] OR “Psychosocial Intervention” [MeSH] OR “Psychtherapy, Brief” [MeSH] OR “Psychotherapy, Multiple” [MeSH] OR “Psychotherapy, Psychodynamic” [MeSH] OR “Psychotherapy, Rational-Emotive” [MeSH] OR “Schema Therapy” [MeSH] OR (Psychosocial[tiab] OR Psychologic*[tiab] OR yoga[Title/Abstract] OR mindfulness[Title/Abstract] OR meditation[Title/Abstract] OR hypnosis[Title/Abstract] OR psycho-education[Title/Abstract] OR psychotherapy[Title/Abstract] OR counseling[Title/Abstract] OR counselling[Title/Abstract] OR “Talk Therapy”[Title/Abstract] OR “Mental health services”[tiab] OR “Group psychotherapy”[tiab] OR “Psychiatric rehabilitation”[tiab] OR “Social work”[tiab] OR “Psychoanalytic interpretation”[tiab] OR intervention[tiab]) OR “postmastectomy pain syndrome”[tiab]
Timeframe	From Oct 2023 to Jun 2024
Inclusion and exclusion criteria	<p>Studies are eligible if they:</p> <ul style="list-style-type: none"> <li>(I) Report pain outcome of a psychological intervention tested in breast cancer survivors who have undergone surgery</li> <li>(II) Include both baseline and post-intervention measures of pain</li> <li>(III) Include pain that has been persistent for more than 3 months post-surgery</li> <li>(IV) Reports data on interventions done post-operatively and not pre-operatively or peri-operatively</li> <li>(V) Are peer-reviewed</li> </ul> <p>We excluded studies that do not meet the inclusion criteria and:</p> <ul style="list-style-type: none"> <li>(I) Include preventative interventions conducted before cancer treatment, i.e., prior to surgery</li> <li>(II) Articles with follow-up &lt;3 months</li> <li>(III) Are published as conference abstracts, posters, meetings, dissertations, theses, case reports, case series, book chapters, and letters to editor</li> <li>(IV) Are animal studies, cell studies, and cadaver studies</li> </ul>
Selection process	Data extraction was done independently by two reviewers, and any discrepancies will be discussed to ensure consensus or by a third reviewer