**Table 1. Search strategy.**

PubMed

|  |  |
| --- | --- |
| #1 | (((((((((((((((((((((((((((((((total knee arthroplasty[MeSH Terms]) OR (Arthroplasties, Replacement, Knee[Title/Abstract])) OR (Arthroplasty, Knee Replacement[Title/Abstract])) OR (Knee Replacement Arthroplasties[Title/Abstract])) OR (Knee Replacement Arthroplasty[Title/Abstract])) OR (Replacement Arthroplasties, Knee[Title/Abstract])) OR (Knee Arthroplasty, Total[Title/Abstract])) OR (Arthroplasty, Total Knee[Title/Abstract])) OR (Total Knee Arthroplasty[Title/Abstract])) OR (Replacement, Total Knee[Title/Abstract])) OR (Total Knee Replacement[Title/Abstract])) OR (Knee Replacement, Total[Title/Abstract])) OR (Knee Arthroplasty[Title/Abstract])) OR (Arthroplasty, Knee[Title/Abstract])) OR (Arthroplasties, Knee Replacement[Title/Abstract])) OR (Replacement Arthroplasty, Knee[Title/Abstract])) OR (Arthroplasty, Replacement, Partial Knee[Title/Abstract])) OR (Unicompartmental Knee Arthroplasty[Title/Abstract])) OR (Arthroplasty, Unicompartmental Knee[Title/Abstract])) OR (Knee Arthroplasty, Unicompartmental[Title/Abstract])) OR (Unicondylar Knee Arthroplasty[Title/Abstract])) OR (Arthroplasty, Unicondylar Knee[Title/Abstract])) OR (Knee Arthroplasty, Unicondylar[Title/Abstract])) OR (Partial Knee Arthroplasty[Title/Abstract])) OR (Arthroplasty, Partial Knee[Title/Abstract])) OR (Knee Arthroplasty, Partial[Title/Abstract])) OR (Unicondylar Knee Replacement[Title/Abstract])) OR (Knee Replacement, Unicondylar[Title/Abstract])) OR (Partial Knee Replacement[Title/Abstract])) OR (Knee Replacement, Partial[Title/Abstract])) OR (Unicompartmental Knee Replacement[Title/Abstract])) OR (Knee Replacement, Unicompartmental[Title/Abstract]) |
| #2 | (pain coping skills training[MeSH Terms]) OR (pain coping skills training[Title/Abstract]) |
| #3 | ((((((((((((((((((((((((Exercise[MeSH Terms]) OR (Exercises[Title/Abstract])) OR (Physical Activity[Title/Abstract])) OR (Activities, Physical[Title/Abstract])) OR (Activity, Physical[Title/Abstract])) OR (Physical Activities[Title/Abstract])) OR (Exercise, Physical[Title/Abstract])) OR (Exercises, Physical[Title/Abstract])) OR (Physical Exercise[Title/Abstract])) OR (Physical Exercises[Title/Abstract])) OR (Acute Exercise[Title/Abstract])) OR (Acute Exercises[Title/Abstract])) OR (Exercise, Acute[Title/Abstract])) OR (Exercises, Acute[Title/Abstract])) OR (Exercise, Isometric[Title/Abstract])) OR (Exercises, Isometric[Title/Abstract])) OR (Isometric Exercises[Title/Abstract])) OR (Isometric Exercise[Title/Abstract])) OR (Exercise, Aerobic[Title/Abstract]))OR (Aerobic Exercise[Title/Abstract])) OR (Aerobic Exercises[Title/Abstract])) OR (Exercise Training[Title/Abstract])) OR (Exercise Trainings[Title/Abstract])) OR (Training, Exercise[Title/Abstract])) OR (Trainings, Exercise[Title/Abstract]) |
| #4 | (((((((((((((((((((((((cognitive behavior therapy[MeSH Terms]) OR (Behavioral Therapies, Cognitive[Title/Abstract])) OR (Behavioral Therapy, Cognitive[Title/Abstract])) OR (Cognitive Behavioral Therapies[Title/Abstract])) OR (Therapies, Cognitive Behavioral[Title/Abstract])) OR (Therapy, Cognitive Behavioral[Title/Abstract])) OR (Therapy, Cognitive Behavior[Title/Abstract])) OR (Cognitive Behavior Therapy[Title/Abstract])) OR (Cognitive Therapy[Title/Abstract])) OR (Behavior Therapy, Cognitive[Title/Abstract])) OR (Behavior Therapies, Cognitive[Title/Abstract])) OR (Cognitive Behavior Therapies[Title/Abstract])) OR (Therapies, Cognitive Behavior[Title/Abstract])) OR (Cognitive Psychotherapy[Title/Abstract])) OR (Cognitive Psychotherapies[Title/Abstract])) OR (Psychotherapies, Cognitive[Title/Abstract])) OR (Psychotherapy, Cognitive[Title/Abstract])) OR (Therapy, Cognitive[Title/Abstract])) OR (Cognitive Therapies[Title/Abstract])) OR (Therapies, Cognitive[Title/Abstract])) OR (Cognition Therapy[Title/Abstract])) OR (Therapy, Cognition[Title/Abstract])) OR (Cognition Therapies[Title/Abstract])) OR (Therapies, Cognition[Title/Abstract]) |
| #5 | ((Rehabilitation[MeSH Terms]) ) OR (Habilitation[Title/Abstract]) |
| #6 | (Physical therapy[MeSH Terms]) OR (Physical therapy[Title/Abstract]) |
| #7 | (((((((((Depression[MeSH Terms]) OR (Depressions[Title/Abstract])) OR (Depressive Symptoms[Title/Abstract])) OR (Depressive Symptom[Title/Abstract])) OR (Symptom, Depressive[Title/Abstract])) OR (Symptoms, Depressive[Title/Abstract])) OR (Emotional Depression[Title/Abstract])) OR (Depression, Emotional[Title/Abstract])) OR (Depressions, Emotional[Title/Abstract])) OR (Emotional Depressions[Title/Abstract]) |
| #8 | ((((((Anxiety[MeSH Terms]) OR (Hypervigilance[Title/Abstract])) OR (Nervousness[Title/Abstract])) OR (Social Anxiety[Title/Abstract])) OR (Anxieties, Social[Title/Abstract])) OR (Anxiety, Social[Title/Abstract])) OR (Social Anxieties[Title/Abstract]) |
| #9 | ((((((pain catastrophizing[MeSH Terms]) OR (pain catastrophizing[Title/Abstract])) OR (Catastrophizing[Title/Abstract])) OR (Pain Catastrophizing[Title/Abstract])) OR (Catastrophizing, Pain[Title/Abstract])) OR (Catastrophizings, Pain[Title/Abstract])) OR (Pain Catastrophizings[Title/Abstract]) |
| #10 | (Self Efficacy[MeSH Terms]) OR (Efficacy, Self[Title/Abstract]) |
| #11 | ((((#2) OR (#3)) OR (#4)) OR (#5)) OR (#6) |
| #12 | (((#7) OR (#8)) OR (#9)) OR (#10) |
| #13 | ((#1) AND (#11)) AND (#12) |

CENTRAL

|  |  |
| --- | --- |
| #1 | MeSH descriptor: [Arthroplasty, Replacement, Knee] explode all trees |
| #2 | (Arthroplasties, Replacement, Knee):ti,ab,kw |
| #3 | (Arthroplasty, Knee Replacement):ti,ab,kw |
| #4 | (Knee Replacement Arthroplasties):ti,ab,kw |
| #5 | (Knee Replacement Arthroplasty):ti,ab,kw |
| #6 | (Replacement Arthroplasties, Knee):ti,ab,kw |
| #7 | (Knee Arthroplasty, Total):ti,ab,kw |
| #8 | (Arthroplasty, Total Knee):ti,ab,kw |
| #9 | (Total Knee Arthroplasty):ti,ab,kw |
| #10 | (Replacement, Total Knee):ti,ab,kw |
| #11 | (Total Knee Replacement):ti,ab,kw |
| #12 | (Knee Replacement, Total):ti,ab,kw |
| #13 | (Knee Arthroplasty):ti,ab,kw |
| #14 | (Arthroplasty, Knee):ti,ab,kw |
| #15 | (Arthroplasties, Knee Replacement):ti,ab,kw |
| #16 | (Replacement Arthroplasty, Knee):ti,ab,kw |
| #17 | (Arthroplasty, Replacement, Partial Knee):ti,ab,kw |
| #18 | (Unicompartmental Knee Arthroplasty):ti,ab,kw |
| #19 | (Arthroplasty, Unicompartmental Knee):ti,ab,kw |
| #20 | (Knee Arthroplasty, Unicompartmental):ti,ab,kw |
| #21 | (Unicondylar Knee Arthroplasty):ti,ab,kw |
| #22 | (Arthroplasty, Unicondylar Knee):ti,ab,kw |
| #23 | (Knee Arthroplasty, Unicondylar):ti,ab,kw |
| #24 | (Partial Knee Arthroplasty):ti,ab,kw |
| #25 | (Arthroplasty, Partial Knee):ti,ab,kw |
| #26 | (Knee Arthroplasty, Partial):ti,ab,kw |
| #27 | (Unicondylar Knee Replacement):ti,ab,kw |
| #28 | (Knee Replacement, Unicondylar):ti,ab,kw |
| #29 | (Partial Knee Replacement):ti,ab,kw |
| #30 | (Knee Replacement, Partial):ti,ab,kw |
| #31 | (Unicompartmental Knee Replacement):ti,ab,kw |
| #32 | (Knee Replacement, Unicompartmental):ti,ab,kw |
| #33 | MeSH descriptor: [Cognitive Behavioral Therapy] explode all trees |
| #34 | (Behavioral Therapies, Cognitive):ti,ab,kw |
| #35 | (Behavioral Therapy, Cognitive):ti,ab,kw |
| #36 | (Cognitive Behavioral Therapies):ti,ab,kw |
| #37 | (Therapies, Cognitive Behavioral):ti,ab,kw |
| #38 | (Therapy, Cognitive Behavioral):ti,ab,kw |
| #39 | (Therapy, Cognitive Behavior):ti,ab,kw |
| #40 | (Cognitive Behavior Therapy):ti,ab,kw |
| #41 | (Cognitive Therapy):ti,ab,kw |
| #42 | (Behavior Therapy, Cognitive):ti,ab,kw |
| #43 | (Behavior Therapies, Cognitive):ti,ab,kw |
| #44 | (Cognitive Behavior Therapies):ti,ab,kw |
| #45 | (Therapies, Cognitive Behavior):ti,ab,kw |
| #46 | (Cognitive Psychotherapy):ti,ab,kw |
| #47 | (Cognitive Psychotherapies):ti,ab,kw |
| #48 | (Psychotherapies, Cognitive):ti,ab,kw |
| #49 | (Psychotherapy, Cognitive):ti,ab,kw |
| #50 | (Cognitive Therapies):ti,ab,kw |
| #51 | (Therapies, Cognitive):ti,ab,kw |
| #52 | (Cognition Therapy):ti,ab,kw |
| #53 | (Therapy, Cognition):ti,ab,kw |
| #54 | (Cognition Therapies):ti,ab,kw |
| #55 | (Therapies, Cognition):ti,ab,kw |
| #56 | MeSH descriptor: [Exercise] explode all trees |
| #57 | (Exercises):ti,ab,kw |
| #58 | (Physical Activity):ti,ab,kw |
| #59 | (Activities, Physical):ti,ab,kw |
| #60 | (Activity, Physical):ti,ab,kw |
| #61 | (Physical Activities):ti,ab,kw |
| #62 | (Exercise, Physical):ti,ab,kw |
| #63 | (Exercises, Physical):ti,ab,kw |
| #64 | (Physical Exercise):ti,ab,kw |
| #65 | (Physical Exercises):ti,ab,kw |
| #66 | (Acute Exercise):ti,ab,kw |
| #67 | (Acute Exercises):ti,ab,kw |
| #68 | (Exercise, Acute):ti,ab,kw |
| #69 | (Exercises, Acute):ti,ab,kw |
| #70 | (Exercise, Isometric):ti,ab,kw |
| #71 | (Exercises, Isometric):ti,ab,kw |
| #72 | (Isometric Exercises):ti,ab,kw |
| #73 | (Isometric Exercise):ti,ab,kw |
| #74 | (Aerobic Exercise):ti,ab,kw |
| #75 | (Aerobic Exercises):ti,ab,kw |
| #76 | (Exercises, Aerobic):ti,ab,kw |
| #77 | (Exercise Training):ti,ab,kw |
| #78 | (Exercise Trainings):ti,ab,kw |
| #79 | (Training, Exercise):ti,ab,kw |
| #80 | (Trainings, Exercise):ti,ab,kw |
| #81 | MeSH descriptor: [Rehabilitation] explode all trees |
| #82 | (Habilitation):ti,ab,kw |
| #83 | (pain coping skills training):ti,ab,kw |
| #84 | MeSH descriptor: [Depression] explode all trees |
| #85 | (Depressions):ti,ab,kw |
| #86 | (Depressive Symptoms):ti,ab,kw |
| #87 | (Depressive Symptom):ti,ab,kw |
| #88 | (Symptom, Depressive):ti,ab,kw |
| #89 | (Symptoms, Depressive):ti,ab,kw |
| #90 | (Emotional Depression):ti,ab,kw |
| #91 | (Depression, Emotional):ti,ab,kw |
| #92 | (Depressions, Emotional):ti,ab,kw |
| #93 | (Emotional Depressions):ti,ab,kw |
| #94 | MeSH descriptor: [Anxiety] explode all trees |
| #95 | (Hypervigilance):ti,ab,kw |
| #96 | (Nervousness):ti,ab,kw |
| #97 | (Social Anxiety):ti,ab,kw |
| #98 | (Anxieties, Social):ti,ab,kw |
| #99 | (Anxiety, Social):ti,ab,kw |
| #100 | (Social Anxieties):ti,ab,kw |
| #101 | MeSH descriptor: [Catastrophization] explode all trees |
| #102 | (Catastrophizing):ti,ab,kw |
| #103 | (Pain Catastrophizing):ti,ab,kw |
| #104 | (Catastrophizing, Pain):ti,ab,kw |
| #105 | (Catastrophizings, Pain):ti,ab,kw |
| #106 | (Pain Catastrophizings):ti,ab,kw |
| #107 | MeSH descriptor: [Self Efficacy] explode all trees |
| #108 | (Efficacy, Self):ti,ab,kw |
| #109 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 |
| #110 | #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 |
| #111 | #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 OR #65 OR #66 OR #67 OR #68 OR #69 OR #70 OR #71 OR #72 OR #73 OR #74 OR #75 OR #76 OR #77 OR #78 OR #79 OR #80 |
| #112 | #81 OR #82 |
| #113 | #83 |
| #114 | #84 OR #85 OR #86 OR #87 OR #88 OR #89 OR #90 OR #91 OR #92 OR #93 |
| #115 | #94 OR #95 OR #96 OR #97 OR #98 OR #99 OR #100 |
| #116 | #101 OR #102 OR #103 OR #104 OR #105 OR #106 |
| #117 | #107 OR #108 |
| #118 | #110 OR #111 OR #112 OR #113 |
| #119 | #114 OR #115 OR #116 OR #117 |
| #120 | #109 AND #118 AND #119 |

CINAHL

|  |  |
| --- | --- |
| #1 | total knee arthroplasty |
| #2 | pain coping skills training |
| #3 | exercise |
| #4 | cognitive behavioral therapy |
| #5 | rehabilitation |
| #6 | physical therapy |
| #7 | depression |
| #8 | anxiety |
| #9 | pain catastrophizing |
| #10 | self efficacy |

PEDro

|  |  |
| --- | --- |
| #1 | "total knee arthroplasty" depression |
| #2 | "total knee arthroplasty" anxiety |
| #3 | "total knee arthroplasty" "pain catastrophizing" |
| #4 | "total knee arthroplasty" "self efficacy" |

ICHUSHI

|  |  |
| --- | --- |
| #1 | Total knee arthroplasty |
| #2 | Cognitive behavior therapy OR Exercise OR Rhabilitation OR Physical therapy OR Pain coping skills training |
| #3 | Depression OR Anxiety OR Pain catastrophizing OR Self efficacy |
| #4 | #1 and #2 and #3 |

CENTRAL, the Cochrane Central Register of Controlled Trials; CINAHL, the Cumulative Index to Nursing and Allied Health Literature; PEDro, the Physiotherapy Evidence Database; ICHUSHI, Igaku Chuo Zasshi.