



Systematic review

RESPONDERS TO EXERCISE THERAPY IN PATIENTS WITH OSTEOARTHRITIS OF THE HIP: A SYSTEMATIC REVIEW AND META-ANALYSIS

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Supplementary Material S1

Search strategy

Embase.com

(osteoarthritis/exp OR (osteoarthr* OR (degenerative NEAR/2 arthritis) OR arthrosis):ab,ti) AND (Hip/exp OR 'hip osteoarthritis'/de OR 'knee osteoarthritis'/de OR knee/de OR (hip* OR knee*):ab,ti) AND (exercise/exp OR fitness/de OR 'exercise test'/de OR 'exercise tolerance'/de OR Sport/exp OR pliability/de OR 'physical activity, capacity and performance'/exp OR physiotherapy/exp OR rehabilitation/exp OR (exertion* OR exercis* OR sport* OR ((physical or motion) NEAR/5 (fitness or therap*)) OR (physical* NEAR/2 endur*) OR ((strength* or isometric* or isotonic* or isokinetic* or aerobic* or endurance or weight*) NEAR/5 (train*)) OR aquatic* OR exercis* OR physiotherap* OR manipul* OR kinesiotherap* OR rehab* OR (skate* or skating) OR running OR jogging OR treadmill* OR swim* OR bicycl* OR (cycle* or cycling) OR walk* OR (row or rows or rowing) OR Muscle-strength* OR Balneotherap* OR hydrotherap* OR pool-therap*):ab,ti) AND ('crossover procedure'/exp OR 'double blind procedure'/exp OR 'randomized controlled trial'/exp OR 'single blind procedure'/exp OR (random* OR factorial* OR (crossover* or cross-over*) OR placebo* OR (doubl* NEXT/1 blind*) OR (singl* NEXT/1 blind*) OR assign* OR allocat* OR volunteer*):ab,ti) NOT ([animals]/lim NOT [humans]/lim)

Medline Ovid

(exp osteoarthritis/ OR (osteoarthr* OR (degenerative ADJ2 arthritis) OR arthrosis).ab,ti.) AND (Hip/ OR "osteoarthritis, hip"/ OR "osteoarthritis, knee"/ OR knee/ OR exp Knee Joint/ OR (hip* OR knee*).ab,ti.) AND (exp exertion/ OR exp Physical Fitness/ OR exp Exercise Test/ OR exp Exercise Tolerance/ OR exp Sports/ OR exp pliability/ OR exp Physical Endurance/ OR (exertion* OR exercis* OR sport* OR ((physical or motion) ADJ5 (fitness or therap*)) OR (physical* ADJ2 endur*) OR ((strength* or isometric* or isotonic* or isokinetic* or aerobic* or endurance or weight*) ADJ5 (train*)) OR aquatic* OR exercis* OR physiotherap* OR manipul* OR kinesiotherap* OR rehab* OR (skate* or skating) OR running OR jogging OR treadmill* OR swim* OR bicycl* OR (cycle* or cycling) OR walk* OR (row or rows or rowing) OR Muscle-strength* OR Balneotherap* OR hydrotherap* OR pool-therap*).ab,ti.) AND (randomized controlled trial.pt. OR controlled clinical trial.pt. OR randomized.ab. OR placebo.ab. OR drug therapy.fs. OR randomly.ab. OR trial.ab. OR groups.ab.) NOT (exp animals/ NOT humans/)

Cochrane

((osteoarthr* OR (degenerative NEAR/2 arthritis) OR arthrosis):ab,ti) AND ((hip* OR knee*):ab,ti) AND ((exertion* OR exercis* OR sport* OR ((physical or motion) NEAR/5 (fitness or therap*)) OR (physical* NEAR/2 endur*) OR ((strength* or isometric* or isotonic* or isokinetic* or aerobic* or endurance or weight*) NEAR/5 (train*)) OR aquatic* OR exercis* OR physiotherap* OR manipul* OR kinesiotherap* OR rehab* OR (skate* or skating) OR running OR jogging OR treadmill* OR swim* OR bicycl* OR (cycle* or cycling) OR walk* OR (row or rows or rowing) OR Muscle-strength* OR Balneotherap* OR hydrotherap* OR pool-therap*):ab,ti)

Web of science

TS=(((osteoarthr* OR (degenerative NEAR/1 arthritis) OR arthrosis)) AND ((hip* OR knee*)) AND ((exertion* OR exercis* OR sport* OR ((physical or motion) NEAR/4 (fitness or therap*)) OR (physical* NEAR/1 endur*) OR ((strength* or isometric* or isotonic* or isokinetic* or aerobic* or endurance or weight*) NEAR/4 (train*)) OR aquatic* OR exercis* OR physiotherap* OR manipul* OR kinesiotherap* OR rehab* OR (skate* or skating) OR running OR jogging OR treadmill* OR swim* OR bicycl* OR (cycle* or cycling) OR walk* OR (row or rows or rowing) OR Muscle-strength* OR Balneotherap* OR hydrotherap* OR pool-therap*)) AND ((random* OR factorial* OR (crossover* or cross-over*) OR placebo* OR (doubl* NEAR/1 blind*) OR (singl* NEAR/1 blind*) OR assign* OR allocat* OR volunteer*)))

CINAHL EBSCOhost

(MH osteoarthritis+ OR TI (osteoarthr* OR (degenerative N1 arthritis) OR arthrosis) OR AB (osteoarthr* OR (degenerative N1 arthritis) OR arthrosis)) AND (MH Hip OR MH "osteoarthritis, hip" OR MH "osteoarthritis, knee" OR MH knee OR MH "Knee Joint" OR (hip* OR knee*)) AND (MH exertion+ OR MH Physical Fitness+ OR MH Exercise Test+ OR MH Exercise Tolerance+ OR MH Sports+ OR MH pliability+ OR MH Physical Endurance+ OR TI (exertion* OR exercis* OR sport* OR ((physical or motion) N4 (fitness or therap*)) OR (physical* N1 endur*) OR ((strength* or isometric* or isotonic* or isokinetic* or aerobic* or endurance or weight*) N4 (train*)) OR aquatic* OR exercis* OR physiotherap* OR manipul* OR kinesiotherap* OR rehab* OR (skate* or skating) OR running OR jogging OR treadmill* OR swim* OR bicycl* OR (cycle* or cycling) OR walk* OR (row or rows or rowing) OR Muscle-strength* OR Balneotherap* OR hydrotherap* OR pool-therap*) OR AB (exertion* OR exercis* OR sport* OR ((physical or motion) N4 (fitness or therap*)) OR (physical* N1 endur*) OR ((strength* or isometric* or isotonic* or isokinetic* or aerobic* or endurance or weight*) N4 (train*)) OR aquatic* OR exercis* OR physiotherap* OR manipul* OR kinesiotherap* OR rehab* OR (skate* or skating) OR running OR jogging OR treadmill* OR swim* OR bicycl* OR (cycle* or cycling) OR walk* OR (row or rows or rowing) OR Muscle-strength* OR Balneotherap* OR hydrotherap* OR pool-therap*)) AND (PT randomized controlled trial OR PT controlled clinical trial OR AB (randomized OR placebo OR randomly OR trial OR groups)) NOT (MH animals NOT MH humans)

Sensitivity analysis

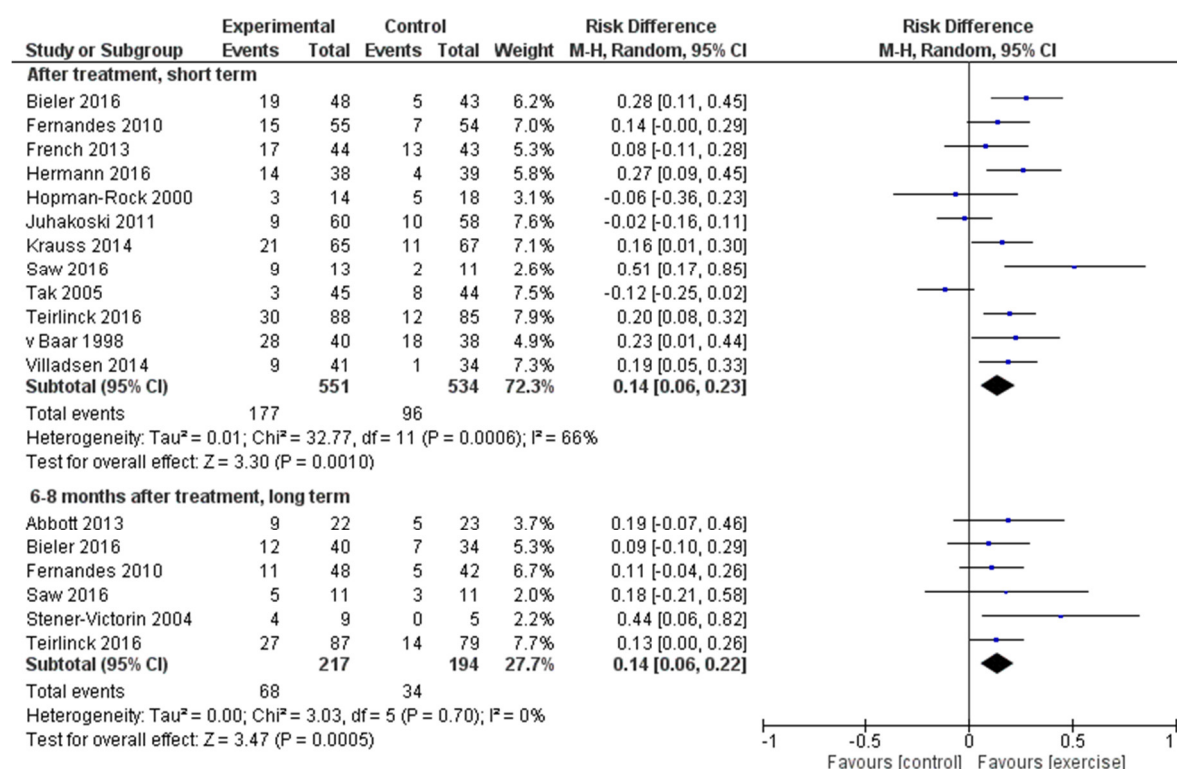


Figure S1 Forest plot meta-analysis, complete cases (no missing data)

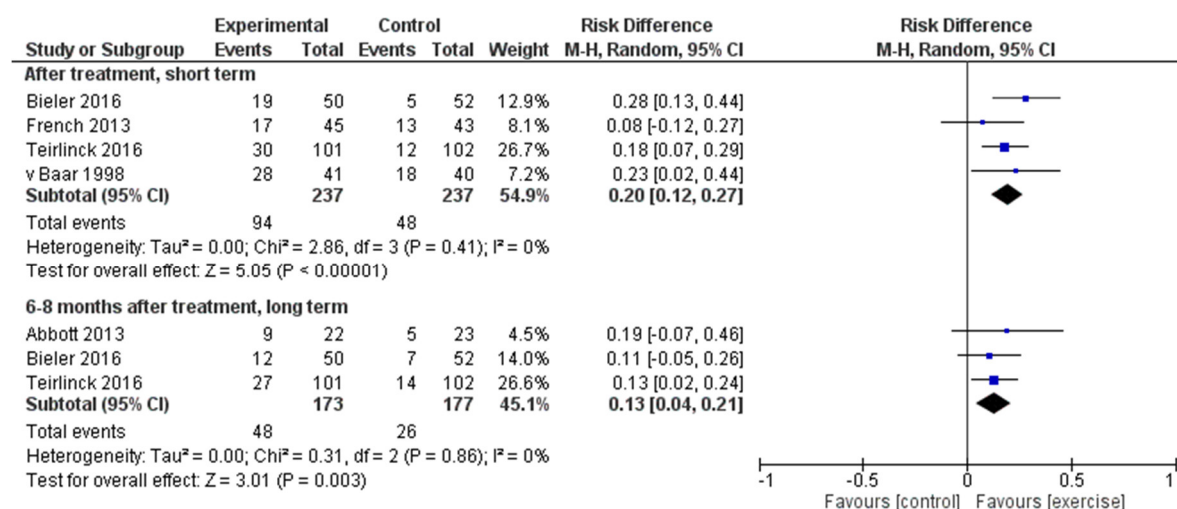


Figure S2. Forest plot, meta-analysis with only studies with global assessment