**Appendix Table F5. Therapeutic studies of physical therapy interventions that did not contribute to synthesis of evidence due to poor quality or inclusion of patients with hip OA**

| **Author, YearDesignRisk of bias** | **Physical therapy intervention** | **Subject characteristics** | **Intention to treat** | **Adequate allocation concealment** | **Reporting of baseline characteristics** | **Baseline similarity of subjects in treatment groups** |
| --- | --- | --- | --- | --- | --- | --- |
| Ravaud, 2004111RCTRisk of bias low | Exercise | Age: 66.7 % women: 70.1BMI: 27.75Comorbidity: Not availablePrior treatment: NSAID: 64.7%; SYSADOA: 41.3%; IA treatment: 29.3% | Yes | Not reported | Yes | Not reported |
| Hinman, 2007112RCTRisk of bias low | Exercise | Age: 62.4 % women: 67.6BMI: 33.4Comorbidity: Not availablePrior treatment: analgesics: 50.7%; NSAIDs: 45.1%; nutraceuticals: 39.4% | Yes | Yes | Yes | Yes |
| Harlow, 2004113RCTRisk of bias low | Pulsed electromagnetic fields | Age: 66.6 % women: 38.3BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Yes | Not reported | Yes | Yes |
| Cochrane, 2005114RCTRisk of bias low | Exercise | Age: 69.74 % women: 62.82BMI: 29.76Comorbidity: Obesity 47%, Cardiovascular 16%, Gastrointestinal 11%, Other musculoskeletal 8%, Cancer 7%Prior treatment: Not available | Yes | Yes | Yes | Yes |
| Fransen, 20076RCTRisk of bias low | Hydrotherapy | Age: 70.2 % women: 73.7BMI: 30Comorbidity: Comorbidity score (0-16): 4.7 Prior treatment: Not available | Yes | Not reported | Yes | Yes |
| Pisters, 2010115RCTRisk of bias low | Education | Age: 64.8 % women: 77BMI: 28.509Comorbidity: 0.64Prior treatment: Not available | Yes | Yes | Yes | Yes |
| Hurley, 2007116RCTRisk of bias low | Exercise | Age: 66.9 % women: 70.3BMI: 30.2Comorbidity: Not availablePrior treatment: Not available | Yes | Not reported | Yes | Yes |
| Heuts, 2005117RCTRisk of bias low | Education | Age: 51.6 % women: 59.7BMI: 28.2Comorbidity: Not availablePrior treatment: Not available | Yes | Not reported | Yes | Yes |
| Foley, 200323RCTRisk of bias low | Exercise aquatic | Age: 70.9 % women: 49.5BMI: Not availableComorbidity: Heart conditions: 34% Respiratory condition: 39%; Other: 95%Prior treatment: Not available | Yes | Yes | Yes | Yes |
| Hansson, 201018RCTRisk of bias low | Education | Age: 62.5% women: 85.1BMI: 28.1Comorbidity: Not availablePrior treatment: Not available | Yes | Not reported | Yes | Yes |
| Allen, 201013RCTRisk of bias low | Self-management support (telephone-based) | Age: 60.1 % women: 7BMI: 31.8Comorbidity: Not availablePrior treatment: Not available | Yes | Not reported | Yes | Yes |
| Veenhof, 2006118RCTRisk of bias low | Behavioral graded activity program | Age: 65 % women: 77BMI: 29Comorbidity: 0.64Prior treatment: Not available | Yes | Yes | Yes | Yes |
| van Baar, 2001119RCTRisk of bias medium | Exercise | Age: 67.9 % women: 78.5BMI: Not availableComorbidity: 63% for TG 62% for CGPrior treatment: 59% for TG 64% for CG | Yes | Yes | Yes | No |
| Halbert, 2001120RCTRisk of bias medium | Education | Age: 68.9 % women: 59.4BMI: 27.81Comorbidity: Not availablePrior treatment: Not available | No | Not reported | Yes | Yes |
| Hughes, 2004121RCTRisk of bias medium | Exercise | Age: 73.59 % women: 84BMI: Not availableComorbidity: % treated for Cardiovascular disease 58.5, Asthma: 5.1, Emphysema: 5.1, Diabetes: 11.4, Cancer: 6.4Prior treatment: Not available | No | Not reported | Yes | Yes |
| Wang, 200724RCTRisk of bias medium | Exercise | Age: 66.2 % women: 84.2BMI: Not availableComorbidity: Not availablePrior treatment: Not available | ITT planned, but not executed | Not reported | Yes | Yes |
| Minor, 1989122RCTRisk of bias medium | Exercise | Age: 60.6 % women: 81.7BMI: Not availableComorbidity: Not availablePrior treatment: Not available | No | Not reported | Yes | Yes |
| Moffett, 1996123RCTRisk of bias medium | Short wave | Age: 63 % women: 63.04BMI: Not availableComorbidity: Not availablePrior treatment: Not available | No | Yes | Yes | Yes |
| Hopman-Rock, 2000124RCTRisk of bias medium | Education | Age: 65 % women: 83BMI: 27.5Comorbidity: arthritis in hand or other joints (65%), Back problems or hernia nuclei pulposi for >3 months (32%), high blood pressure (27%)Prior treatment: Not available | No | Not reported | Yes | Yes |
| Wetzels, 2008125RCTRisk of bias medium | Education | Age: 74.53 % women: 75.96BMI: Not availableComorbidity: Not availablePrior treatment: Not available | No | Not reported | Yes | Yes |
| Trock, 1993126RCTRisk of bias medium | Pulsed electromagnetic fields | Age: Not available % women: Not availableBMI: Not availableComorbidity: Not availablePrior treatment: Not available | Unclear | Yes | Yes | Yes |
| Belza, 2002127RCTRisk of bias medium | Exercise aquatic | Age: 65.7 % women: 86.3BMI: Not availableComorbidity: Number of comorbid conditions = 4Prior treatment: Not available | No | Not reported | Yes | Yes |
| Song, 2007128RCTRisk of bias medium | Tai Chi | Age: 63 % women: 100BMI: Not availableComorbidity: Not availablePrior treatment: Not available | No | Not reported | Yes | Yes |
| Hughes, 2006129RCTRisk of bias medium | Exercise | Age: 73.35 % women: 83.15BMI: Not availableComorbidity: Hypertension:55%, Cardiovascular disease: 45%, Asthma: 7%, Emphysema:4% , Diabetes:14% , Cancer: 4%Prior treatment: Not available | No | Not reported | Yes | Yes |
| van Baar, 1998 130RCTRisk of bias medium | Exercise | Age: 68 % women: 78.5BMI: Not availableComorbidity: 62.5Prior treatment: 61.5% medical treatment | Yes | Yes | Yes | No |
| Cadmus, 2010131RCTRisk of bias medium | Aquatic exercise | Age: 65.9 % women: 86BMI: 31.6Comorbidity: 4 chronic conditionsPrior treatment: Not available | No | Not reported | Yes | Yes |
| Gill, 2009132RCTRisk of bias high | Exercise aquatic vs. aerobic | Age: 70.4 % women: 62.2BMI: 31.1Comorbidity: Not availablePrior treatment: 17% previous joint replacement | No | No | Yes | Yes |
| Evcik, 2002133Non RCTRisk of bias high | Exercise | Age: 56.35 % women: 65.43BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Sen, 2004134Non RCTRisk of bias high | Exercise | Age: 56.61 % women: 82.29BMI: 27.73Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Jan, 1991135Non RCTRisk of bias high | Ultrasound | Age: 62.4 % women: 100BMI: 23.6Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Svarcova, 1987136Non RCTRisk of bias high | Ultrasound | Age: 63.37% women: Not availableBMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Hill, 1999137Non RCTRisk of bias high | Balneotherapy | Age: 71 % women: 80BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Hurley, 1998138Non RCTRisk of bias high | Exercise | Age: 61.387 % women: 70.1BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Tohyama, 1991139Non RCTRisk of bias high | Insole | Age: 57 % women: 85.45BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | No | Not available |
| Sasaki, 1987140Non RCTRisk of bias high | Insole | Age: 59.2 % women: 82.55BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | No | Not available |
| Norton, 1999141Non RCTRisk of bias high | Exercise | Age: 66.58 % women: 100BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Konishi, 200946Non RCTRisk of bias high | Home-based exercise | Age: 69.37 % women: 100BMI: 24.62Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| de Jong, 2004142Non RCTRisk of bias high | Exercise | Age: 69 % women: 71BMI: Not availableComorbidity: Number of chronic conditions=2.2Prior treatment: Not available | Not available | Not available | No | Not available |
| Fransen, 1997103Non RCTRisk of bias high | Exercise | Age: 66.24 % women: 80BMI: 28.98Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | No | Not available |
| Domaille, 2006143Non RCTRisk of bias high | Exercise | Age: 66.9 % women: 62BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | No | Not available |
| Coleman, 2008144Non RCTRisk of bias high | Education | Age: 66 % women: 75.95BMI: Not availableComorbidity: cardiovascular 45%; mental health 11%; gastrointestinal 30%; endocrine 18%; musculoskeletal 20%; osteoporosis 18%; multiple comorbidities 64.5%; other 61%; No comorbidities 15%Prior treatment: Not available | Not available | Not available | No | Not available |
| Fisher, 1993145Non RCTRisk of bias high | Quantitative progressive exercise muscle rehabilitation program added to physical therapy program | Age: 63.9 % women: 50BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | No | Not available |
| Elbaz, 2010146Non RCTRisk of bias high | Exercise | Age: 62.5 % women: Not availableBMI: 32.1Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Erhart, 2008147Non RCTRisk of bias high | Shoe | Age: 60.2 % women: 46.8BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | No | Not available |
| Kilicoglu, 2010148Non RCTRisk of bias high | Balneotherapy | Age: 69 % women: 50BMI: 29.3Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| King, 2008149Non RCTRisk of bias high | Exercise | Age: 48.4 % women: 14.3BMI: 29.3Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Shimada, 2006150Non RCTRisk of bias high | Insole | Age: 67 % women: 73.9BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Sled, 201014Non RCTRisk of bias high | Exercise | Age: 62.98 % women: 57.5BMI: 27.38Comorbidity: Not availablePrior treatment: Not available | Not available | Not available | Yes | Not available |
| Huang, 2000151Non RCTRisk of bias high | Transcutaneous Electrical Nerve Stimulation | Age: 53.8 % women: 88.9BMI: Not availableComorbidity: Not availablePrior treatment: Not available | Not available | Not available | No | Not available |

NR - not report