



Appendix 1

**This appendix was part of the submitted manuscript and has been peer reviewed.
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Appendix 1 to: Bourne AM, Whittle SL, Richards BL, et al. The scope, funding and publication of musculoskeletal clinical trials performed in Australia. *Med J Aust* 2014; 200: xxx-xxx. doi: 10.5694/mja13.10907.

Appendix 1. Musculoskeletal trials funded by National Health and Medical Research Council (NHMRC) Project grants (commencing 2009 to 2013) and musculoskeletal trials through 2011 NHMRC Program Grant[†]: Year of commencement of funding, Chief investigator A, amount of funding awarded, co-funding, trial design, trial size, MSK condition, intervention(s), control(s) and Australian New Zealand Clinical Trial Registration (ANZCTR) number^b

| Year | Chief Investigator A (*primary discipline) | #Administering Institution | Funding (\$) | Co-fund-ing | ^h Trial Design | Trial Size | MSK condition | Intervention(s) | Control(s) | ANZCTR Trial registration number |
|------|--|----------------------------|--------------|-----------------|---------------------------|------------|--|---|-------------------------------------|----------------------------------|
| 2013 | Chung-Wei Christine Lin (PT) | Uni Syd | 618,589 | NR ^ξ | RCT-PB | 204 | Sciatica | Pregabalin | Placebo | Not yet registered |
| 2013 | Venerina Johnston (PT) | UQ | 660,834 | No | RCT-O | 640 | Chronic non-specific neck pain | Workplace based exercise and ergonomic advice | Ergonomic advice | 12612001154897 |
| 2013 | Rana Hinman (PT) | UoM | 741,631 | NR | RCT-PB | 164 | Knee osteoarthritis | Unloading shoes | Control shoes | Not yet registered |
| 2013 | Graeme Jones (R) | UT | 954,597 | NR | RCT-PB | 260 | Knee osteoarthritis | Zoledronic acid | Placebo | Not yet registered |
| 2013 | James McAuley (PS) | UNSW | 509,536 | No | RCT-PB | 250 | Chronic low back pain | Novel psychotherapeutic intervention | Sham psychotherapeutic intervention | 12612001180808 |
| 2013 | Yuanyuan Wang (RA) | MU | 971,020 | NR | RCT-PB | 350 | Knee osteoarthritis | Atorvastatin | Placebo | Not yet registered |
| 2013 | John Wark (E) | UoM | 587,813 | NR | RCT-O | 234 | Musculoskeletal health in young women [^] | Behavioural intervention; Vit D | Usual care | Not yet registered |
| 2013 | Hylton Menz (P) | LTU | 321,325 | NR | RCT-PB | 80 | Big toe joint osteoarthritis | MBT rocker-soled shoes + sham insoles | Normal shoes + sham insoles | Not yet registered |

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|------|-----------------------------|---------|---------|----|--------|-----|---|--|--|--------------------|
| 2013 | Rachelle Buchbinder (R) | MU | 501,115 | No | RCT-PB | 180 | Lateral epicondylitis | Autologous platelet rich plasma injection | Placebo; Glucocorticoid injection | Not yet registered |
| 2012 | Peter Choong (OS) | UoM | 643,670 | No | RCT-O | 120 | Knee osteoarthritis in obese people | Laparoscopic adjustable gastric banding prior to joint replacement | Joint replacement alone | 12611001178932 |
| 2012 | Andrew Carr (ID) | UNSW | 687,808 | No | RCT-O | 84 | Low bone mineral density in HIV-infected adults taking tenofovir ⁺ | Zoledronic acid | Switch from tenofovir to another potent anti-HIV drug (without commencing zoledronic acid) | 12612000776808 |
| 2012 | Maria Crotty (RP) | FU | 522,041 | No | RCT-O | 236 | Post-hip fracture treated surgically living in high care aged facility | Rehabilitation program | Usual care | 12612000112864 |
| 2012 | Donna Urquhart (PT) | MU | 296,155 | No | RCT-PB | 150 | Chronic, neuropathic low back pain | Low dose amitriptyline | Placebo | 12612000131853 |
| 2012 | Amanda Sainsbury-Salis (MS) | Uni Syd | 890,900 | No | ND | 100 | Musculoskeletal health in obese people ^s | Very low energy diet | Conventional diet | 12612000651886 |

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|------|----------------------------|--------------|---------|-----|--------|-----|---|---|--|----------------|
| 2012 | Peter Ebeling (E) | UoM | 346,175 | No | RCT | 68 | Jaw osteonecrosis in people with cancer | Teriparatide + Calcium + Vitamin D | Placebo + Calcium + Vitamin D | 12612000950864 |
| 2012 | Professor Mark Bartold (D) | Uni Adelaide | 544,262 | No | RCT-O | 90 | Periodontal disease in RA | Periodontal examination and treatment | No periodontal examination | 12612000446864 |
| 2011 | Maria Fiatarone Singh (G) | Uni Syd | 572,734 | No | RCT-O | 125 | Knee osteoarthritis in overweight or obese adults | Gait retraining (gait group); High protein, low glycaemic load diet (diet group); Progressive resistance training (PRT group); Gait + Diet + PRT (Combined group) | Lifestyle Advice | 12612000501842 |
| 2011 | Jay Ebert (EP) | UWA | 333,989 | Yes | RCT-PB | 70 | Knee osteoarthritis, following arthroscopic autologous chondrocyte implantation | Accelerated rehabilitation regime | Traditionally conservative rehabilitation regime | 12609000756224 |

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|------|----------------------------|----|----|-----|--------|-----|---|--|---|----------------|
| 2011 | Program grant ^z | UQ | ND | ND | RCT-O | 210 | Gluteal tendinopathy | Physiotherapy exercise Intervention; glucocorticoid injection | No treatment | 12612001126808 |
| 2011 | Program grant ^z | UQ | ND | No | RCT-PB | 168 | Knee osteoarthritis | Telephone coaching + physiotherapist-delivered physical activity program | Physiotherapist-delivered physical activity program | 12612000308897 |
| 2011 | Program grant ^z | UQ | ND | No | RCT-PB | 62 | Post-arthroscopic partial medial meniscectomy | Neuromuscular exercise training | No exercise treatment | 12612000542897 |
| 2011 | Program grant ^z | UQ | ND | Yes | RCT-O | 100 | Post-arthroscopic management of symptomatic femoro-acetabular impingement | Physiotherapy program | No formal physiotherapist-supervised rehabilitation | 12613000282785 |
| 2011 | Program grant ^z | UQ | ND | No | RCT-O | 60 | Knee osteoarthritis | Two booster physiotherapy sessions + home exercise | Home exercise | 12612000595819 |
| 2011 | Program grant ^z | UQ | ND | Yes | RCT-O | 150 | Heel pain | Contoured flip-flops; contoured | Flat flip-flops | 12612000463875 |

in-shoe orthoses

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|------|----------------------------|---------|-----------|-----|--------|------|--|---|--|--------------------|
| 2011 | Program grant [‡] | UQ | ND | NR | RCT | 236 | Knee osteoarthritis | Exercise; Pain coping skills training | Education | Not yet registered |
| 2011 | Program grant [‡] | UQ | ND | NR | RCT | ~160 | Knee osteoarthritis | Physiotherapist training including education about evidence-based practice and training in behaviour change support | No additional physiotherapist training | Not yet registered |
| 2010 | Philip Sambrook (dec)(R) | Uni Syd | 511,425 | Yes | RCT-PB | 120 | Hip osteonecrosis | Zoledronic acid | Placebo | 12609000104257 |
| 2010 | Chang-Hai Ding (M) | Menzies | 980,188 | No | RCT-PB | 400 | Knee osteoarthritis | Vitamin D | Placebo | 12610000495022 |
| 2010 | Kim Bennell (PT) | UoM | 607,488 | No | RCT-PB | 128 | Hip osteoarthritis | Multimodal physiotherapy program | Sham physiotherapy program | 12610000439044 |
| 2010 | Kim Bennell (PT) | UoM | 694,288 | No | RCT-O | 100 | Knee osteoarthritis | Neuromuscular exercise | Quadriceps strengthening | 12610000660088 |
| 2010 | Christopher Cowell (PA, E) | Uni Syd | 1,305,625 | Yes | RCT-PB | 140 | Childhood femoral head avascular necrosis due to Perthes disease | Zoledronic acid and Vitamin D | Vitamin D | 12610000407099 |

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|------|-----------------------|---------|---------|-----|--------|------|-------------------|--|--|----------------|
| 2010 | Anne Moseley (PT) | Uni Syd | 427,500 | No | RCT-O | 342 | Ankle fracture | Rehabilitation | Advice | 12610000979055 |
| 2009 | Jane Latimer (PT) | Uni Syd | 602,625 | Yes | RCT-PB | 1650 | Back pain | Time- contingent Paracetamol; As needed paracetamol | Time- contingent and PRN placebo paracetamol | 12609000966291 |
| 2009 | Chris Maher (PT) | Uni Syd | 598,025 | Yes | RCT-O | 172 | Chronic whiplash | Comprehensive exercise program and educational booklet | Educational booklet and one half-hour physiotherapy consultation | 12609000825257 |
| 2009 | Michele Sterling (PT) | UQ | 297,875 | No | RCT-PB | 120 | Chronic whiplash | Dry-needling, advice and exercise | Sham dry-needling, advice and exercise | 12609000470291 |
| 2009 | Paul McCrory (N, SP) | UoM | 673,275 | No | RCT-PB | 280 | Chronic knee pain | Laser acupuncture; Needle acupuncture | Sham laser acupuncture; no intervention | 12609001001280 |

^b Registration as of Dec 31, 2012

*Primary discipline abbreviations: A, E – endocrinologist, EP – exercise physiologist, G –geriatrician, ID – infectious diseases physician, M – medical doctor, MS – molecular scientist, N – neurologist, OS – orthopaedic surgeon, PA – paediatrician, PS – psychologist, PT – physiotherapist, R – rheumatologist, RA - radiologist, RP – rehabilitation physician, P –podiatrist, SP – sports physician, D – Dentist

[§]NR – Not reported

[#] Administering institution abbreviations: Uni Syd – University of Sydney, UoM- University of Melbourne, MU – Monash University, UQ – University of Queensland, UNSW – University of New South Wales, Menzies - Menzies Research Institute – UWA – University of Western Australia, UT – University of Tasmania, LTU – La Trobe university, FA – Flinders University

[‡]Trial Design abbreviations: RCT – randomised controlled trial, PB – participant blind, O – open

[^]We included this trial as it was concerned with musculoskeletal health including bone density, bone turnover markers, muscle function (comparing behavioral and pharmacological interventions to usual care in raising 25 OHD levels in young women

⁺ We included this trial as it was concerned with improving low bone mineral density in HIV-infected adults taking tenofovir

[§] We included this trial as it was concerned with musculoskeletal health; assessing long-term effects of two different diets on adiposity, lean body mass, muscle strength and bone density

[‡] Funded by NHMRC program grant. Musculoskeletal pain, injury and health: improving outcomes through conservative management (\$7,570,000 over 5 years, Chief Investigators (all physiotherapists): Paul Hodges, Kim Bennell, Gwendolen Jull, Bill Vicenzino; Administering Institution: University of Queensland

ND Not determined