

## Appendix 2: Characteristics of excluded studies

Study	Reason for exclusion
(Albaladejo, Kovacs et al. 2010)	Not relevant to KT intervention
(Allen, Yancy et al. 2016)	Not relevant to MSK population
(Arroyo-Morales, Cantarero-Villanueva et al. 2012)	Not relevant by population (students)
(Ay, Koldas Dogan et al. 2013)	Not relevant to KT intervention
(Baker, Nelson et al. 2001)	Not relevant to KT intervention
(Barker, Newmany et al. 2013)	Not relevant by population (metal-on-metal hip resurfacing arthroplasty)
(Barry 2003)	Commentary
(Baruth and Wilcox 2011)	Not relevant by study design (pre-post design)
(Bassett and Prapavessis 2007)	Not relevant to KT intervention and population (management of ankle sprain)
(Baxter 2008)	Conference proceeding
(Bekkering, Hendriks et al. 2005)	Multiple publication of already included study
(Bekkering, Hendriks et al. 2005)	Article in Dutch
(Belza, Topolski et al. 2002)	Not relevant to KT intervention
(Ben Salah Frih, Fendri et al. 2009)	Not KT intervention
(Beneciuk and George 2015)	Not RCT
(Bennell, Kyriakides et al. 2014)	Clinical effectiveness
(Bennell, Campbell et al. 2016)	Not relevant by population
(Bennell, Ahamed et al. 2016)	Clinical effectiveness
(Bezalel, Carmeli et al. 2010)	Not relevant to KT intervention
(Bishop, Quon et al. 2010)	Patient directed intervention
(Bozic, Belkora et al. 2013)	For patients with total hip or knee replacement
(Brennan, Fritz et al. 2006)	Not relevant by study design

(Bring, Åsenlöf et al. 2016)	Clinical effectiveness
(Brosseau, Wells et al. 2012)	Patient directed intervention
(Brosseau, Wells et al. 2012)	Patient directed intervention
(Bryant, Lewis et al. 2014)	A description of a KT intervention for ongoing RCT
(Buszewicz, Rait et al. 2006)	Not KT intervention + for GPs
(Cantarero-Villanueva, Fernandez-Lao et al. 2012)	Not relevant by population (students)
(Chaipinyo and Karoonsupcharoen 2009)	Not KT intervention
(Chan, Ford et al. 2015)	Conference proceeding
(Childs, Wu et al. 2014)	cost-effectiveness
(Chipchase and Jull 2015)	Conference proceeding
(Christiansen, Oettingen et al. 2010)	Not relevant by population
(Coleman, Briffa et al. 2008)	Not relevant to KT intervention + protocol
(Cornoiu, Beischer et al. 2011)	Not relevant by population (knee arthroscopy)
(Coudeyre, Givron et al. 2006)	Article in French
(Daltroy, Iversen et al. 1993)	The source is not based on the best evidence
(de Jong, Hopman-Rock et al. 2004)	Patient directed intervention
(Del Pozo-Cruz, Adsuar et al. 2012)	Clinical effectiveness
(Desai, Hughes et al. 2014)	Clinical effectiveness
(Dey, Simpson et al. 2004)	Not relevant by population (GPs)
(Domaille, Mascarenhas et al. 2006)	Not relevant by study design
(Domenech, Sanchez-Zuriaga et al. 2011)	Not relevant by population (students)
(Dziedzic, Stevenson et al. 2009)	Not relevant by study design
(Dziedzic 2015)	Conference proceeding
(Edwards, Jordan et al. 2015)	Conference proceeding

(Engers, Wensing et al. 2005)	Not relevant by population (GPs)
(Eschaliier, Descamps et al. 2012)	Not relevant by population (total knee replacement)
(Ettinger, Burns et al. 1997)	Not KT intervention
(Evans, Gilbert et al. 1987)	Not relevant by population (family physician) and intervention
(Feinberg 1992)	Not relevant by population (rheumatoid arthritis)
(Fernandes, Storheim et al. 2010)	Not relevant to KT intervention
(Foster, Nicholls et al. 2015)	Conference proceeding
(Foster, Nicolls et al. 2016)	Conference proceeding
(Gilbey 2011)	Commentary
(Gill and Stella 2013)	Not relevant by study design (retrospective analysis)
(Gohner and Schlicht 2006)	Patient directed intervention
(Gremeaux, Benaïm et al. 2013)	Patient directed intervention
(Gremeaux, Durand et al. 2013)	Pharmacological study
(Gustavsson, Denison et al. 2010)	Not KT intervention
(Gutierrez and Kurlantzick 1997)	Not relevant by study design (pre-post design using claims data)
(Hay, Foster et al. 2006)	Patient directed intervention, not relevant by population (GPs)
(Hazard, Reid et al. 2000)	Patient directed intervention
(Hennig, Haehre et al. 2015)	Conference proceeding
(Heuts, de Bie et al. 2005)	Not KT intervention
(Hill, McPhail et al. 2015)	Clinical effectiveness
(Hoeijenbos, Bekkering et al. 2005)	Cost- effectiveness (economic outcome)
(Hutting, Detaille et al. 2015)	Conference proceeding
(Iles 2013)	Commentary
(Irvine, Russell et al. 2015)	Not for MSK professionals
(Jensen, Jensen et al. 2011)	Not relevant to KT intervention

(Jensen, Bergstrom et al. 2005)	Organisational intervention and its cost-effectiveness analysis
(Jensen, Lundin-Olsson et al. 2002)	Not relevant to KT intervention
(Johnson, Jones et al. 2007)	Patient directed intervention
(Kanemaru, Arahata et al. 2010)	Not relevant by study design (case-control study)
(Karlinsky, Dunn et al. 2006)	Not relevant by study design and targeting physicians
(Karvonen, Paatelma et al. 2015)	Not RCT
(Kearing, Berg et al. 2016)	Patient KT intervention
(Keijsers, Bouter et al. 1992)	The source is neither CPG nor best evidence
(Kendall 2010)	A descriptive report in a conference proceedings
(Ketola, Toivonen et al. 2002)	Not relevant to KT intervention
(Kongsted, Qerama et al. 2008)	Not targeting MSK professional, it was given by trained nurses and recruited from GPs and emergency department.
(Kosterink, Huis In 't Veld et al. 2010)	Not relevant to KT intervention
(Lambeek, Bosmans et al. 2010)	Not relevant to KT intervention + economic evaluation
(Lambeek, van Mechelen et al. 2010)	Not relevant to KT intervention
(Lesnyak, Evstigneeva et al. 2012)	Article in Russian
(Levsen, Hansen et al. 2001)	Not relevant by study design
(Lin, Taylor et al. 2010)	Not relevant by study design (A summary of Cochrane reviews and other evidence and two case-studies)
(Lin, Neoh et al. 2010)	Not relevant to KT intervention
(Linton and Andersson 2000)	Not KT intervention
(Little, Roberts et al. 2001)	Not relevant by population (GPs)
(Lorig, Feigenbaum et al. 1986)	KT intervention targeting patients
(Lysack, Dama et al. 2005)	Targeting post-knee or hip replacement patients

(Macedo, Maher et al. 2012)	It is observational study nested within a RCT, and not KT intervention
(Maitland, Rutten et al. 2010)	Commentary
(Marchiori, Smith et al. 2000)	Conference proceeding
(Marra, Grubisic et al. 2014)	Economic evaluation
(May 2003)	Not relevant by study design (retrospective design)
(McDonough, Tully et al. 2010)	Protocol
(McGregor, Henley et al. 2012)	Not KT intervention
(Meng, Seekatz et al. 2011)	KT intervention for patients
(Menzel and Robinson 2006)	Not relevant by population (nurses)
(Middleton 2004)	A review
(Miedany, Gaafary et al. 2013)	Not relevant to KT intervention
(Miller, Litva et al. 2009)	Not relevant by study design
(Morris, Morris et al. 2011)	Not relevant by population (discectomy or lateral nerve root decompression surgery) + Cost-effectiveness analysis
(Niedermann, Buchi et al. 2012)	Not relevant by population (rheumatoid arthritis)
(Overmeer, Boersma et al. 2011)	Not relevant by study design (before and after design for therapists)
(Overmeer, Boersma et al. 2009)	Not relevant by study design (before and after design for therapists)
(Pariser, O'Hanlon et al. 2005)	Not relevant to KT intervention
(Parkin-Smith, Norman et al. 2012)	Not relevant to KT intervention
(Perez-Cabezas, Ruiz-Molinero et al. 2015)	Conference proceeding
(Pesco, Chosa et al. 2006)	Not intervention + for students
(Peters, Hentschke et al. 2013)	Article in German
(Pillastrini, Mugnai et al. 2007)	Not KT intervention
(Pisters, Veenhof et al. 2010)	Not KT intervention

(Piyakhachornrot, Aree-Ue et al. 2011)	Not relevant by study design
(Poulsen, Hartvigsen et al. 2013)	Not relevant to KT intervention
(Queally, Kiernan et al. 2013)	Patients were included if they had fracture and the assessment initiation by the participant's general practitioner.
(Rabin 2006)	Not relevant by study design (A case study)
(Rantonen, Vehtari et al. 2014)	Not relevant to KT intervention
(Rasmussen, Holtermann et al. 2013)	Cost-effectiveness
(Rasmussen, Holtermann et al. 2015)	Not KT intervention and not for MSK professionals
(Rasmussen, Holtermann et al. 2016)	Not KT interventions and no MSK professionals
(Richmond, Hansen et al. 2015)	Conference proceeding
(Rose and Probert 2009)	Not relevant by study design and population (GPs)
(Russell, Buttrum et al. 2011)	Total knee arthroplasty
(Saper 2014)	Not relevant to KT intervention
(Saragiotto, de Almeida et al. 2016)	Not RCT
(Schechtman, Schroth et al. 2003)	Not relevant by population (internists, family physicians, and associate practitioners (nurse practitioners and physician assistants))
(Schepens, Braun et al. 2012)	Not relevant to KT intervention
(Schneiders, Zusman et al. 1998)	Not relevant to KT intervention
(Scholten-Peeters, Neeleman-van der Steen et al. 2006)	More than 50 % of population are GPs
(Senlof, Denison et al. 2009)	Not relevant to KT intervention
(Shaffer, Brismée et al. 2015)	Not RCT
(Sharma 2016)	Conference proceeding
(Shekelle, Kravitz et al. 2000)	More than 50 % of population are neurologists and general internists

(Shirazi, Wallace et al. 2007)	Not relevant to KT intervention
(Slater, Davies et al. 2015)	Conference proceeding
(Sole, Schneiders et al. 2013)	Not relevant by study design and for students
(Sorensen, Bendix et al. 2010)	Not relevant to KT intervention
(Sparrow, Gottlieb et al. 2011)	Not relevant to KT intervention
(Spink, Menz et al. 2011)	Not relevant to KT intervention
(Stanley, Miller et al. 2001)	Not relevant by study design
(Stevenson, Lewis et al. 2004)	Multiple publication of already included study
(Taheri, Mahdavinejad et al. 2012)	Not relevant to KT intervention
(Tonga, Daskapan et al. 2012)	Article in Turkish
(Tousignant, Moffet et al. 2011)	Not relevant by population (post-knee arthroplasty)
(Tuzun, Akyuz et al. 2013)	Pharmacological treatment
(Van Dillen, Norton et al. 2016)	Clinical effectiveness
(Verhagen, Hupperets et al. 2011)	Not relevant to KT intervention
(Walker 2011)	Review
(Wand, Bird et al. 2004)	Not relevant to KT intervention
(Watson, Wright et al. 2012)	Not relevant by population (students)
(Werner, Storheim et al. 2016)	Clinical and cost- effectiveness
(Willett, Johnson et al. 2011)	Not relevant by study design (pre-experimental design)
(Williams, Bloomfield et al. 2013)	Not relevant to KT intervention
(Williams, Amoakwa et al. 2011)	Feasibility RCT (Pilot).
(Williams, Wiggers et al. 2016)	Conference proceeding

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