

Appendix 6 Quality assessment: AMSTAR score of included Systematic Reviews* (n=60)

AMSTAR-item	1: priori design provided	2: duplicate study selection and extraction	3: comprehensive literature search performed	4: status publication (grey literature) used as inclusion criteria	5: List of studies (included and excluded) provided	6: characteristics of the included studies provided	7: scientific quality of the included studies assessed and documented	8: scientific quality of the included studies used appropriately in formulating conclusions	9: methods used to combine the findings of studies were appropriate	10: likelihood of publication bias was assessed	11: conflict of interest was included	Total score**
Algie et al., 2015 (67)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	9
Bayoumi et al., 2014 (30)	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	4
Bergs et al., 2014 (66)	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No	6
Blot et al., 2014 (39)	No	CA	No	Yes	No	No	Yes	Yes	Yes	Yes	No	5
Butler et al., 2011 (75)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	9
Cameron et al., 2012 (61)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Chan et al., 2010 (69)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	8
Chen et al., 2013 (63)	No	Yes	Yes	No	No	Yes	Yes	No	NA	No	No	4
Christensen and Lundh, 2013 (26)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Cole et al., 1998 (45)	No	No	Yes	Yes	No	Yes	Yes	Yes	No	No	No	5
Collinsworth et al., 2014 (49)	No	No	Yes	No	No	No	Yes	Yes	Yes	No	No	4
Conroy et al., 2005 (53)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	8
Coussement et al., 2008 (60)	No	CA	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	6
Damiani et al., 2015 (41)	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	7
Davey et al., 2013 (33)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	9
Durieux et al., 2008 (28)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	9
Ensing et al., 2015 (35)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	No	No	7
Esmonde et al., 2006 (68)	No	Yes	Yes	Yes	No	No	Yes	Yes	NA	No	No	5
Flodgren et al., 2011 (81)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Flodgren et al., 2013 (37)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Gillaizeau et al., 2013 (29)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Gould et al., 2010 (43)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	9
Griffiths et al., 2005 (52)	No	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	No	6
Hempel et al., 2015 (65)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	7
Hempenius et al., 2011 (47)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	8
Hohl et al., 2015 (27)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	8
Holland et al., 2008 (24)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	8
Howell et al., 2014 (64)	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	7
Hshsieh et al., 2015 (50)	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	6
Jansson et al., 2013 (38)	No	Yes	No	No	No	No	Yes	Yes	NA	No	No	3
Kaboli et al., 2006 (31)	No	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No	5
Kahn et al., 2013 (72)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Lau and Haut., 2014 (73)	No	No	No	Yes	No	Yes	Yes	No	NA	No	No	3
Lowthian et al., 2015 (57)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	8
Maaskant et al., 2015 (23)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	No	9
Maharaj et al., 2015 (71)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	8
Manias et al., 2012 (32)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	7

Martinez et al., 2015 (51)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	9
Massey et al., 2010 (70)	No	No	Yes	Yes	No	Yes	Yes	No	NA	No	No	4
Medding et al., 2014 (40)	No	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No	5
Miake-Lye et al., 2013 (62)	No	No	Yes	No	No	Yes	Yes	Yes	NA	No	No	4
Milisen et al., 2005 (46)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	7
Mueller et al., 2012 (25)	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	No	No	6
Naylor et al., 2004 (78)	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	No	No	6
Niven et al., 2014 (54)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	8
Oliver et al., 2007 (59)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	8
Pannick et al., 2015 (76)	No	Yes	Yes	Yes	No	Yes	No	No	No	No	No	4
Patterson et al., 2014 (34)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Reed et al., 2010 (74)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	8
Rennke et al., 2013 (55)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	7
Reston et al., 2013 (48)	No	No	No	No	No	Yes	Yes	Yes	NA	No	No	3
Rotter et al., 2010 (79)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	10
Safdar and Abad, 2008 (44)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No	7
Sheppard et al., 2013 (56)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	9
Silvestri et al., 2005 (42)	No	CA	No	Yes	No	Yes	No	No	NA	No	No	2
Sullivan and Schoelles, 2013 (77)	No	Yes	Yes	Yes	No	Yes	Yes	Yes	NA	No	No	6
Wang et al., 2015 (36)	No	CA	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	7
Weaver et al., 2013 (80)	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	No	No	6
Wolfstadt et al., 2008 (22)	No	No	Yes	Yes	No	Yes	Yes	Yes	NA	No	No	5
Zhu et al., 2015 (58)	No	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	No	6

*alphabetical order

**Yes = 1; No, Not applicable (NA), Can't Answer (CA) = 0