

Appendix 3: Quality appraisal

For full details of grading criteria, please refer to Table 2 in article.

Study	Study type	MMAT Criterion				MMAT Score
		1	2	3	4	
Alexander et al (1988)	Case series (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Alexander et al (2014a)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Alexander et al (2014b)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Aspinall et al (2014)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Augustin et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Backman & Williams (2002)	Case series (Quantitative descriptive)	No	Can't tell	Yes	Yes	2
Banerjee et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Bansback et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	No	3
Bass et al (2004)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Berdeaux et al (2005)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Bordier et al (2011)	Case-control (Quantitative non-randomised)	Can't tell	Yes	Can't tell	Yes	2
Boucart et al (2008a)	Case-control (Quantitative non-randomised)	No	Yes	No	Yes	2
Boucart et al (2008b)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Boucart et al (2013)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Brody et al (2001)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Brown et al (1986)	Case-control (Quantitative non-randomised)	Can't tell	Yes	Yes	Yes	3
Brown et al (2000)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Brown et al (2002)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Bullimore et al (1991)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Burton et al (2015)	Qualitative	Yes	Yes	No	No	2

Butt et al (2013)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Cahill et al (2005)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Casten et al (2002)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Cavar et al (2014)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Chia et al (2004)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Cimarolli et al (2012)	Qualitative	Yes	Yes	No	Yes	3
Clemons et al (2003)	Cohort (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Coleman et al (2010)	Cohort (Quantitative non-randomised)	Yes	Yes	Yes	No	3
Cruess et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Curriero et al (2013)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Davis et al (1995)	Case-control (Quantitative non-randomised)	Yes	Yes	No	Yes	3
Decarlo et al (2003)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Dong et al (2004)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Elliott et al (1995)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Eramudugolla et al (2013)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	No	3
Espallargues et al (2005)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Can't tell	No	2
Esteban et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	No	Yes	Yes	3
Fletcher et al (2008)	Case report (Quantitative descriptive)	No	No	Yes	N/A	2
Geruschat et al (2006)	Case-control (Quantitative non-randomised)	No	Yes	Yes	No	2
Geruschat et al (2006)	Case-control (Quantitative non-randomised)	No	Yes	Yes	Yes	3
Gopinath et al (2013)	Cohort (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Hassan et al (2002)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4

Hassan et al (2005)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Hassan & Snyder (2012)	Case-control (Quantitative non-randomised)	No	Yes	Yes	Yes	3
Hassell et al (2006)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Hochberg et al (2012)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Ivanoff et al (2000)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Jacko et al (2000)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Jacko et al (2001)	Case-control (Quantitative non-randomised)	No	Yes	No	Yes	2
Jacko et al (2002)	Case-control (Quantitative non-randomised)	No	Yes	No	Yes	2
Jacko et al (2005)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	3
Johnson et al (2014)	Case report (Quantitative descriptive)	Yes	No	Yes	N/A	3
Jivraj et al (2013)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Kleinschmidt et al (2013)	Qualitative	Yes	Yes	Yes	No	3
Knudtson et al (2005)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Kotecha et al (2013)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Kuyk & Elliott (1999)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Lamoureux et al (2011)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Lin & Yu (2012)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Lopez-Miguel et al (2013)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Lotery et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Lovie-Kitchin & Brown (1986)	Case-control (Quantitative non-randomised)	Yes	Yes	No	Yes	3
Maguire et al (2004) Complications of Age-Related Macular Degeneration Prevention Trial Research Group.	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4

Mangione et al (1999)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	No	3
Marback et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Mathew et al (2010)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
McCloud et al (2014)	Qualitative	Yes	Yes	Yes	Yes	4
McGwin Jr et al (2013)	Cohort (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Moore (2000)	Qualitative	Yes	Yes	Yes	Yes	4
Moore & Miller (2003)	Qualitative	Yes	Yes	No	No	2
Moore & Miller (2005)	Qualitative	Yes	Yes	No	No	2
Musel et al (2011)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Owsley et al (2006)	Qualitative	Yes	Yes	Yes	Yes	4
Popescu et al (2011)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Popescu et al (2012)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Rovner & Casten (2001)	Cohort (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Rovner & Casten (2002)	Longitudinal (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Rovner et al (2002)	Cohort (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Rovner et al (2006)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Rovner et al (2011)	Longitudinal (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Rovner et al (2014)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Ruiz-Moreno et al (2008)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Sahel et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Schilling et al (2006)	Longitudinal (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Schilling et al (2013)	Longitudinal (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Scilley et al (2002)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Scott et al (2002a)	Case series (Quantitative descriptive)	Yes	Yes	Yes	N/A	4

Scott et al (2002b)	Case series (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Seiple et al (2013)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Seland et al (2011)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Sengupta et al (2014)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Siaudvytyte et al (2012)	Cross sectional (Quantitative non-randomised)	Yes	Yes	No	Yes	3
Smith (2008)	Qualitative	Yes	Yes	No	Yes	3
Soubrane et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Spaulding et al (1994)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Spaulding et al (1995)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Stanford et al (2009)	Qualitative	Yes	Yes	Yes	Yes	4
Stein et al (2003)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Stevenson et al (2004)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Sun et al (2007)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Szabo et al (2008)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Szabo et al (2010)	Cohort (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Szlyk et al (1995)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Tejeria et al (2002)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Thibaut et al (2014)	Case-control (Quantitative non-randomised)	Yes	Yes	No	Yes	3
Timberlake et al (2011)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Timberlake et al (2013)	Case-control (Quantitative non-randomised)	No	Yes	Yes	Yes	3
Tolman et al (2005)	Cross sectional (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Tran et al (2010)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Tran et al (2011)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3

Tran et al (2012)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
Tran et al (2014)	Case-control (Quantitative non-randomised)	Yes	Yes	Can't tell	Yes	3
van Landingham et al (2014)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Wahl et al (2003)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Wahl et al (2004)	Cross sectional (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Wahl et al (2005)	Longitudinal (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Wahl et al (2007)	Longitudinal (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Wang et al (2012)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Williams et al (1998)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Wong et al (2004)	Qualitative	Yes	Yes	No	Yes	3
Wood et al (2009)	Case-control (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4
Wood et al (2011)	Longitudinal (Quantitative descriptive)	Yes	Yes	Yes	Yes	4
Yanagi et al (2011)	Cross sectional (Quantitative non-randomised)	Yes	Yes	Yes	Yes	4