Additional Table 4. Included systematic review conclusion characteristics in detail.

	Type of Evidence				Outcome Measures								Authors			Competing Interests			Age Groups				Type of Analysis		Conclusion	
Conclusion by systematic review and age group	**Controlled trials**	**Both**	**Non-controlled studies**	**Cost effectiveness**	**Mortality**	**Over-diagnosis**	**False positive**	**Unnecessary treatment**	**Radiation cancer**	**Anxiety/ Worry**	**Pain/ discomfort**	**Cost Effectiveness**	**Clinician corresponding**	**Mixed author group**	**Non-clinician corresp.**	**No statement**	**Declared none**	**Declared**	**Not specified/ All ages**	**Up to 49**	**50-69**	**70 and over**	**Meta-analysis**	**No meta-analysis**	**Favourable**	**Not favourable**
Armstrong, K.; 2007[1] (40-49y)		X			X	X	X		X		X		X	X				X		X				X		X
Autier, P.; 2011[2]			X		X										X		X		X					X		X
Baker, S.; 2005 [3]	X				X	X	X		X			X		X	X	X				X				X		X
Biesheuvel,C.; 2007[6] (40-49y)		X				X									X		X			X				X		X
Biesheuvel,C.; 2007[6] (50-59y)		X				X									X		X				X			X		X
Biesheuvel,C.; 2007[6] (60-69y)		X				X									X		X				X			X		X
Bond, M.; 2013[7]		X								X					X		X		X					X		X
Bond, M.; 2013[8]		X								X					X		X		X				X			X
Brett, J.; 2005[9]			X							X					X		X				X			X		X
Brewer, N. T.; 2007[10]			X							X					X		X		X				X			X
Elmore, J. G.; 2005[12] (40-49y)		X			X	X	X				X		X	X				X		X				X		X
Erpeldinger, S.; 2013[13]	X				X									X	X		X		X				X			X
Gotzsche, P. C.;2000[16]	X				X										X	X			X				X			X
Gotzsche, P. C.; 2013[17]		X			X	X		X		X					X		X		X					X		X
Gotzsche, P. C.; 2006[18]		X			X	X		X		X	X				X		X				X		X			X
Gotzsche, P. C.; 2009[19]		X			X	X		X	X	X					X		X		X					X		X
Gotzsche, P. C.; 2011[20]		X			X	X		X		X	X				X		X				X		X			X
Gotzsche, P. C.; 2011[21]		X			X										X		X		X					X		X
Hafslund, B.; 2009[23]			X							X		X	X	X		X			X					X		X
Hamashima, C.; 2015[24] (50+y)	X				X								X	X			X				X		X			X
Hofvind, S.; 2012[26]			X				X						X	X		X					X			X		X
Jorgensen, K. J.; 2009[28]			X			X									X		X		X				X			X
Jorgensen, K. J.;2013[29]		X				X									X	X			X					X		X
Leung, G. M.; 2002[31]	X				X										X	X					X		X			X
Metsala, E.; 2012[33]			X							X				X	X	X			X				X			X
Olsen, O.; 2001[36]	X				X										X		X				X		X			X
Pace, L. E.; 2014[37] (40-49y)		X			X	X	X							X	X		X			X				X		X
Pace, L. E.; 2014[37] (50-59y)		X			X	X	X							X	X		X				X			X		X
Pace, L. E.; 2014[37] (60-69y)		X			X	X	X							X	X		X				X			X		X
Paesmans, M.; 2010[38]	X				X	X	X	X							X		X				X			X		X
Puliti, D.; 2012[39]			X			X								X	X	X			X					X		X
Ringash, J.;2001[41]		X			X								X	X		X				X			X			X
Walter, L. C. ; 2014[47] (Biennial)			X				X						X				X					X		X		X
Yoo, K. B.; 2013[49]				X								X			X	X			X					X		X
Armstrong, K.; 2007[1] (50y+)		X			X	X	X		X		X		X	X				X			X			X	X	
Baker, S.; 2005[4]	X				X									X	X	X				X				X	X	
Barratt, A. L.; 2002[5]			X									X		X	X		X					X		X	X	
Broeders, M.; 2012[11]			X		X										X	X					X		X		X	
Elmore, J. G.; 2005[12] (60-69y)		X			X	X	X				X		X	X				X			X			X	X	
Elmore, J. G.; 2005[12] (70+)		X			X	X	X				X		X	X				X				X		X	X	
Gabe, R.; 2005[14]			X		X										X		X		X				X		X	
Galit, W.; 2007[15]			X		X	X						X			X	X						X		X	X	
Green, B. B.; 2003[22]	X				X	X	X								X	X			X					X	X	
Hamashima, C.; 2015[24] (40-49y)	X				X								X	X			X			X			X		X	
Harris, R.; 2011[25]			X		X										X	X					X			X	X	
Jones, B. A.; 2003[27]		X			X										X			X	X					X	X	
Lee, S. J.; 2013[30]	X				X								X	X				X			X		X		X	
Mandelblatt, J.; 2003[32]				X								X	X	X			X				X			X	X	
Moss, S. M.; 2012[34]			X		X									X	X	X			X					X	X	
Njor, S.; 2012[35]			X		X									X	X	X					X			X	X	
Ravert, P. K.; 2010[40]			X				X						X				X		X					X	X	
Royak-Schaler, R.; 2002[42]		X			X										X	X				X				X	X	
Scheel, J. R.; 2015[43]			X			X	X						X	X				X			X			X	X	
Schopper, D.; 2009[44]			X		X									X	X		X		X					X	X	
Suzuki, A.; 2014[45]	X				X	X	X	X	X				X				X			X				X	X	
Tange, U. B.; 2002[46]		X					X	X					X	X		X					X			X	X	
Walter, L. C. ; 2014[47] (Annual)			X		X	X	X					X	X				X					X		X	X	
Yarbrough, S. S.;2004[48]		X			X								X				X				X			X	X	
Zelle, S. G.; 2013[50]				X								X			X		X		X					X	X	