

**Table 1.** Quality assessment of the meta-analyses on vitamin D and pregnancy

First author, year	Sample Studies (n), Patients (n)	Systematic review		Assessment of bias			Heterogeneity	Analysis	Report Forest plot
		Selection process	Quality assessment	Inclusion - exclusion - criteria	Publication bias: size (funnel plot)	Publication bias: negative results			
Aghajafari, 2013	31 studies (gestational diabetes, n=4112, pre-eclampsia, n=3191)	Described, flow diagram, kappa statistics	No	Defined	Included, Begg test	Not assessed	Q (p <0.1), I <sup>2</sup>	Not specified (metan command in Stata)	Stated, not shown
Conde-Agudelo, 2013	53 studies (n=39,974)	Flow diagram	QUADAS	Defined	Included, Egger test (p <0.1)	Not assessed	I <sup>2</sup> (≥0.5), heterogeneity explored	ROC analysis	No
Hypponen, 2014	15 studies	Flow diagram	No	Defined	Not assessed	Not assessed	I <sup>2</sup>	FE (RE in case of heterogeneity)	Yes
Poel, 2012	7 studies (n=2146)	Described briefly, no flow diagram	No	Defined	Included, Egger test (p <0.1)	Not assessed	I <sup>2</sup> (individually for different analyses)	RE	Yes
Tabesh, 2013	15 studies (n=2936)	Flow diagram	No	Defined	Included, Egger test	Not assessed	Q, I <sup>2</sup>	FE (subgroup analysis and meta-regression in case of heterogeneity)	Yes
Thorne-Lyman, 2012	9 studies (5 interventional, 4 observational)	Flow diagram	GRADE	Defined	Not assessed	Not assessed	I <sup>2</sup> (p=0.7)	FE (RE in case of heterogeneity)	Yes
Wei, 2013	24 studies	Described, no flow diagram (MOOSE)	Yes (method adapted specifically for this study)	Defined	Not assessed	Not assessed	I <sup>2</sup>	FE (RE in case of heterogeneity)	Yes

FE: fixed effects; RE: random effects; ROC: receiver operator characteristics; p &lt;0.05 unless stated otherwise.