

Table S1. Risk of bias assessment

	Eyupoglu et al.	Garcia-Beltran et al.	Tayachew et al.
Selection			
1) Representativeness of the exposed cohort a) Truly representative PCOS in the community * (all subjects or random sampling) b) Somewhat representative of the PCOS of that age in the community * (non-random sampling) c) Selected group d) No description of the derivation of the cohort	0	0	0
2) Sample size a) Justified* b) Non-justified	0	0	0
3) Selection of controls a) Community controls * b) Hospital controls c) No description of the source	0	1	0
Comparability			
1) Comparability of cases and controls on the basis of the design or analysis a) Study controls matched for age and BMI * b) Study controls matched for any additional factors such as glucose tolerance, diabetes etc * c) Not reported	2	1	2
Outcome			
1) Assessment of microbiota a) Recorded composition with adequate method description * b) No description	1	1	1

2) Same method for ascertainment for cases and controls a) yes * b) no	1	1	1
3) Statistical test a) The statistical test used to describe the data is clearly described and appropriate, and the measurement of the association is presented, including confidence intervals and the probability level (p value) * b) The statistical test is not appropriate, not described or incomplete	1	1	1