

S3. Quality assessment for included studies on the present systematic review

Study	Selection (4)	Comparability (2)	Outcome (3)	Total	Study quality
Cohort study^a					
Alles et al.	4	2	3	9	Good
Brunin et al.	4	1	3	8	Good
Tognon et al.	3	2	2	7	Good
Study	Selection (5)	Comparability (2)	Outcome (3)	Total	Study quality
Cross-sectional study^b					
Cramer et al.	3	2	2	3	Fair
Valdes et al.	3	2	2	3	Fair
Wozniak et al.	3	2	3	3	Fair
Dijkstra et al.	3	2	2	3	Fair
Scannell et al.	4	2	3	4	Good
Tong et al.	4	2	3	4	Good
Knight et al.	3	2	3	3	Fair
Pedroni et al.	4	2	3	4	Good
Panatsa and Malandrakis	5	2	3	5	Good
Juan et al.	3	2	2	3	Fair
Pais et al.	3	2	2	3	Fair
Wang et al.	3	2	2	3	Fair
Lusk and Norwood.	2	1	2	2	Fair
Ponzio et al.	4	2	3	4	Good
Pribisalic et al.	4	2	3	4	Good
Mendonca et al.	4	2	3	4	Good
Cavaliere et al.	4	2	3	4	Good
Novak et al.	3	2	3	3	Fair
Martinez-Lacoba et al.	4	2	2	4	Good
Eini-Zinab et al.	3	2	2	3	Fair
Curi-Quinto et al.	4	2	3	4	Good
de Oliveira Neta et al.	4	2	3	4	Good
Fresan et al.	3	2	2	3	Fair
Bryant	2	2	2	2	Fair
Makiniemi and Vainio	4	2	3	4	Good
Miassi et al.	5	2	3	5	Good
Faber et al.	3	2	2	3	Fair
Katsarou et al.	4	2	3	4	Good
Bonaccio et al.	4	2	3	4	Good
Costarelli and Konstantopoulou	4	2	3	4	Good
Ruggiero et al.	4	2	2	4	Good
Rito et al.	5	2	3	5	Good

Gregorio et al.	4	2	3	4	Good
Grosso et al.	5	2	3	5	Good
Sinai et al.	4	2	3	4	Good
Goulding et al.	3	2	3	3	Fair
Weil et al.	4	2	3	4	Good
Storz et al.	3	2	3	3	Fair
Ambrozy et al.	2	2	2	2	Fair

^aAssessment using Newcastle-Ottawa scale; ^bAssessment using modified Newcastle-Ottawa scale for cross-sectional study. The following are accepted thresholds for converting the Newcastle-Ottawa scales to AHRQ (Agency for Healthcare Research and Quality) methodology standards (good, fair, and poor of quality study). **Cohort study:** Good (3 or 4 stars in selection domain AND 1 or 2 stars in comparability domain AND 2 or 3 stars in outcome/exposure domain); Fair (2 stars in selection domain AND 1 or 2 stars in comparability domain AND 2 or 3 stars in outcome/exposure domain); Poor (0 or 1 stars in selection domain OR 0 stars in comparability domain OR 0 or 1 stars in outcome/exposure domain). **Cross-sectional study:** Good (4 or 5 stars in selection domain AND 1 or 2 stars in comparability domain AND 2 or 3 stars in outcome/exposure domain); Fair (2 or 3 stars in selection domain AND 1 or 2 stars in comparability domain AND 2 or 3 stars in outcome/exposure domain); Poor (0 or 1 stars in selection domain OR 0 stars in comparability domain OR 0 or 1 stars in outcome/exposure domain). ※No threshold value was found for modified version of the Newcastle-Ottawa scale for cross-sectional study. Therefore, the assessment of cross-sectional studies in the present review was performed by establishing criteria similar to the AHRQ standard for cross-sectional studies.