

**Table S1a: Evaluation of quality of cross-sectional studies based on Joanna Briggs Institute (JBI) check list <sup>21, 23</sup>.**

Author, year	CK1	CK2	CK3	CK4	CK5	CK6	CK7	CK8	Overall appraisal
Grover, 2023	Y	Y	Y	Y	Y	Y	Y	Y	I
Buji, 2017	Y	Y	Y	Y	Y	Y	Y	Y	I
Hadjuk, 2015	U	Y	Y	Y	Y	Y	Y	Y	I
Mok, 2014	Y	Y	Y	Y	Y	Y	Y	Y	I
Xie, 2012	Y	Y	Y	Y	Y	Y	Y	N	I
Zakeri, 2012	Y	Y	Y	Y	Y	U	Y	Y	I
Jarpa , 2011	Y	Y	Y	Y	Y	Y	Y	Y	I
Li-Yu, 2007	Y	Y	Y	Y	Y	Y	Y	Y	I
Ishikura, 2001	Y	Y	Y	Y	Y	Y	Y	U	I

CK 1. Were the criteria for inclusion in the sample clearly defined?

CK 2. Were the study subjects and the setting described in detail?

CK 3. Was the exposure measured in a valid and reliable way?

CK 4. Were objective, standard criteria used for measurement of the condition?

CK 5. Were confounding factors identified?

CK 6. Were strategies to deal with confounding factors stated?

CK 7. Were the outcomes measured in a valid and reliable way?

CK 8. Was appropriate statistical analysis used?

CK, check list; NA, not applicable; N, no; Y, yes; U, unclear; I, include; E, exclude; SF, seek further info.