

Supplementary Table 1. Quality (risk of bias) assessment

Study	Selection ^{a)}				Comparability ^{b)}		Exposure ^{c)}			The Newcastle-Ottawa scale
	1	2	3	4	5A	5B	6	7	8	
Nakayama (2011) [1]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Sakuma (2011) [2]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Hu (2012) [3]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Snidvongs (2012) [4]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Takeno (2013) [5]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Cao (2014) [6]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Lin (2014) [7]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Kim (2015) [8]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Liao (2015) [9]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Tokunaga (2015) [10]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Kouzaki (2016) [11]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Lin (2016) [12]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	6
Meng (2016) [13]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Tojima (2016) [14]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Aslan (2017) [15]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	6
Baba (2017) [16]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Kambara (2017) [17]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Kubota (2017) [18]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Sreeparvathi (2017) [19]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Xu (2017) [20]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Ho (2018) [21]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Okada (2018) [22]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Uraguchi (2018) [23]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Wakayama (2018) [24]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Tsuda (2019) [25]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Hwang (2019) [26]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Ito (2019) [27]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Kashiwagi (2019) [28]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Kim (2019) [29]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Liu (2019) [30]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Nakayama (2019) [31]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Shen (2019) [32]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Tsuzuki (2019) [33]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Wang (2019) [34]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Yoshida (2019) [35]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Fadda (2020) [36]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Imoto (2020) [37]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Lv (2020) [38]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Sivrice (2020) [39]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Xu (2020) [40]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Yao (2020) [41]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Yun (2020) [42]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Zhu (2020) [43]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Zhu (2020) [44]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Ahn (2020) [45]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Ky (2021) [46]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Abbas (2021) [47]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Feng (2021) [48]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Kawasumi (2021) [49]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Kowalik (2021) [50]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Takahashi (2021) [51]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Terada (2021) [52]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Wang (2021) [53]	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Zhong (2021) [54]	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Rha (2022) [55]	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6

A star rating system was used to indicate the quality of a study, with a maximum of nine stars. A study could be awarded a maximum of one star for each numbered item within the selection and exposure categories.

^{a)}Selection (4 items): adequacy of case definition; representativeness of the cases; selection of controls; and definition of controls. ^{b)}Comparability (1 item): comparability of cases and controls on the basis of the design or analysis. ^{c)}Exposure (3 items): ascertainment of exposure; same method of ascertainment for cases and controls; and non-response rate (same rate for both groups).