

Study	Bias in selection of exposed and non-exposed cohorts	Bias in assessment of exposure	Bias in present of outcome of interest at start of study	Bias in control of prognostic variables (with matching or adjusting)	Bias in the assessment of the presence or absence of prognostic factors	Bias in the assessment of outcome	Bias in adequacy about follow-up of cohorts
Capula et al. (2013) [81]	●	●	●	●	●	●	●
Karmon et al. (2009) [82]	●	●	●	●	●	●	●
Moses et al. (1995) [86]	●	●	●	●	●	●	●
Waters et al. (2016) [85]	●	●	●	●	●	●	●
Gu et al. (2019) [84]	●	●	●	●	●	●	●
Anderberg et al. (2010) [80]	●	●	●	●	●	●	●
Avalos et al. (2013) [79]	●	●	●	●	●	●	●
Wahabi et al. (2017) [78]	●	●	●	●	●	●	●
Meek et al. (2015) [77]	●	●	●	●	●	●	●
Boghossian et al. (2014) [76]	●	●	●	●	●	●	●
Kawakita et al. (2017) [75]	●	●	●	●	●	●	●
Brand et al. (2018) [74]	●	●	●	●	●	●	●
Chen et al. (2019) [72]	●	●	●	●	●	●	●
Feng et al. (2017) [71]	●	●	●	●	●	●	●
Gillespie et al. (2013) [64]	●	●	●	●	●	●	●
Morikawa et al. (2017) [57]	●	●	●	●	●	●	●
Schwartz et al. (1999) [54]	●	●	●	●	●	●	●
Savona-Ventura et al. (2013) [50]	●	●	●	●	●	●	●
Koivunen et al. (2017) [47]	●	●	●	●	●	●	●
Kaul et al. (2015) [73]	●	●	●	●	●	●	●
Kgosidialwa et al. (2015) [70]	●	●	●	●	●	●	●
Donovan et al. (2017) [69]	●	●	●	●	●	●	●
Kieffer et al. (1999) [68]	●	●	●	●	●	●	●
Ekeroma et al. (2015) [67]	●	●	●	●	●	●	●
Aung et al. (2015) [66]	●	●	●	●	●	●	●
Gortazar et al. (2019) [63]	●	●	●	●	●	●	●
Zamstein et al. (2018) [62]	●	●	●	●	●	●	●
Hedderson et al. (2003) [61]	●	●	●	●	●	●	●
Hosseini et al. (2018) [59]	●	●	●	●	●	●	●
Hosseini et al. (2018) [60]	●	●	●	●	●	●	●
Jain et al. (2016) [58]	●	●	●	●	●	●	●
Leybovitz-Haleluya et al. (2018) [56]	●	●	●	●	●	●	●
Jacobson et al. (1989) [55]	●	●	●	●	●	●	●
Pan et al. (2015) [53]	●	●	●	●	●	●	●

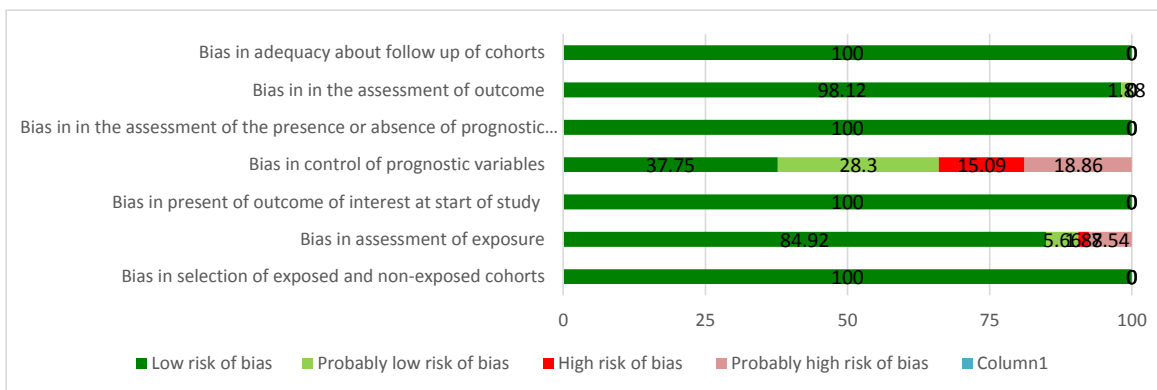
Supplementary Fig. 9. Risk of bias in each included cohort study (A) and overall (B).

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Son et al. (2015) [52]	●	●	●	●	●	●	●
von Katterfeld et al. (2012) [51]	●	●	●	●	●	●	●
Sacks et al. (2015) [49]	●	●	●	●	●	●	●
Soliman et al. (2018) [48]	●	●	●	●	●	●	●
Xiong et al. (2001) [46]	●	●	●	●	●	●	●
Oster et al. (2014) [45]	●	●	●	●	●	●	●
Sugaya et al. (2000) [44]	●	●	●	●	●	●	●
Fraser et al. (1994) [43]	●	●	●	●	●	●	●
Kieffer et al. (2006) [42]	●	●	●	●	●	●	●
Mahanta et al. (2014) [41]	●	●	●	●	●	●	●
Kong et al. (2019) [39]	●	●	●	●	●	●	●
Sletner et al. (2017) [40]	●	●	●	●	●	●	●
Aberg et al. (2001) [37]	●	●	●	●	●	●	●
van Hoorn et al. (2002) [38]	●	●	●	●	●	●	●
Su et al. (2019) [36]	●	●	●	●	●	●	●
Metcalfé et al. (2017) [35]	●	●	●	●	●	●	●
Carr et al. (2011) [34]	●	●	●	●	●	●	●
Lamminpaa et al. (2016) [33]	●	●	●	●	●	●	●
Black et al. (2010) [32]	●	●	●	●	●	●	●

● Definitely no (low risk of bias) ● Probably no
 ● Definitely yes (high risk of bias) ● Probably yes

A



B

Supplementary Fig. 9. Continued.