

Risk of bias

	Sequence generation	Allocation concealment	Blinding of participants, personnel and outcome assessors	Incomplete outcome data	Selective outcome reporting	Other sources of bias	Overall judgment
Xie et al. 2020	Green	Red	Red	Yellow	Blue	Green	Red
Wang et al. 2017	Yellow	Red	Red	Yellow	Blue	Green	Red
Tsai et al. 2013	Red	Red	Red	Yellow	Blue	Green	Red
Yagi et al. 1999	Red	Red	Red	Yellow	Blue	Red	Red
Pedroso et al. 2018	Red	Red	Red	Green	Blue	Red	Red
Chang et al. 2016	Green	Red	Red	Yellow	Blue	Green	Red
Walsh et al. 2019	Green	Red	Red	Blue	Blue	Green	Red
Scudder et al. 2012	Green	Red	Red	Blue	Blue	Green	Red
Tsai et al. 2017	Green	Red	Red	Green	Blue	Green	Red
Swatridge et al. 2017	Green	Red	Red	Green	Blue	Green	Red
Olson et al. 2017	Green	Red	Red	Green	Blue	Green	Red
Chacko et al. 2020	Green	Red	Red	Green	Blue	Green	Red
Akatsuka et al. 2015	Green	Red	Red	Blue	Blue	Green	Red
Kamijo et al. 2009	Green	Red	Red	Green	Blue	Yellow	Red
Kao et al. 2020	Green	Red	Red	Green	Blue	Green	Red
Aly et al. 2020	Yellow	Red	Red	Blue	Blue	Green	Red
Tsai et al. 2018	Yellow	Red	Red	Blue	Blue	Green	Red
Wollseifen et al. 2016	Red	Red	Red	Blue	Blue	Red	Red
Overath et al. 2014	Red	Red	Red	Green	Blue	Red	Red

Chang et al. 2015	Light Green	Red	Red	Light Blue	Light Blue	Light Green	Red
Wen et al. 2020	Yellow	Red	Red	Light Green	Light Blue	Light Green	Red
Chu et al. 2015	Light Green	Red	Red	Light Blue	Light Blue	Light Green	Red
Shibasaki et al. 2019	Red	Red	Red	Light Blue	Light Blue	Red	Red
Milankov et al. 2012	Red	Red	Red	Light Blue	Light Blue	Red	Red
Ligeza et al. 2018	Light Green	Red	Red	Light Green	Light Blue	Light Green	Red
Pontifex et al. 2016	Light Green	Red	Red	Light Green	Light Blue	Light Green	Red
Chen et al. 2020	Yellow	Red	Red	Light Blue	Light Blue	Light Green	Red
Kamijo et al. 2007	Red	Red	Red	Light Green	Light Blue	Red	Red
Wang et al. 2020	Light Green	Red	Red	Light Blue	Light Blue	Light Green	Red
Chu et al. 2017	Light Green	Red	Red	Light Blue	Light Blue	Light Green	Red
Zhou et al. 2019	Light Green	Red	Red	Light Green	Light Blue	Light Green	Red
Rietz et al. 2018	Light Green	Red	Red	Light Green	Light Blue	Light Green	Red
Thermanson et al. 2006	Light Green	Red	Red	Light Blue	Light Blue	Light Green	Red
Dimitrova et al. 2016	Yellow	Red	Red	Light Green	Light Blue	Red	Red
Kao et al. 2017	Light Green	Red	Red	Light Green	Light Blue	Light Green	Red
Zhao et al. 2020	Yellow	Red	Red	Light Green	Light Blue	Light Green	Red
Won et al. 2017	Light Green	Red	Red	Yellow	Light Blue	Light Green	Red
Özkaya et al. 2005	Yellow	Red	Red	Light Blue	Light Blue	Light Blue	Red
Brush et al. 2020	Light Green	Red	Red	Light Green	Light Blue	Light Green	Red
Bae et al. 2019	Light Green	Red	Red	Light Blue	Light Blue	Light Green	Red
Hwang et al. 2018	Red	Red	Red	Light Green	Light Blue	Red	Red
Magnie et al. 2000	Red	Red	Red	Light Blue	Light Blue	Red	Red

Gajewski et al. 2017	Yellow	Red	Red	Green	Blue	Blue	Red
Drapsin et al. 2012	Red	Red	Red	Blue	Blue	Red	Red
Kao et al. 2018	Green	Red	Red	Blue	Blue	Green	Red
Tsai et al. 2019	Green	Red	Red	Green	Blue	Green	Red
Wu et al. 2019	Green	Red	Red	Green	Blue	Green	Red
Jain et al. 2014	Green	Red	Red	Blue	Blue	Green	Red
Winneke et al. 2019	Green	Red	Red	Blue	Blue	Green	Red
Nakamura et al. 1999	Red	Red	Red	Green	Blue	Red	Red
Yagi et al. 1998	Red	Red	Red	Red	Blue	Red	Red
Takuro et al. 2009	Green	Red	Red	Red	Blue	Green	Red

Green: low risk

Yellow: unclear

Red: high risk

Blue: no information