

Study	Risk of bias SYRCLE's RoB tool									
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
Kasimay, et al., 2006	+	+	-	+	-	-	-	+	+	-
Saxena A,et al.,2012	+	+	-	+	-	-	-	+	+	-
Cook MD,et al.,2013	+	+	-	+	-	-	-	+	+	-
Bilski J, et al.,2015	+	+	-	+	-	-	+	+	+	-
Bilski J,et al.,2019	+	+	-	+	-	-	-	+	+	-
Qonitatillah,et al.,2020	+	-	-	-	-	-	-	+	+	-
Van Mechelen M,et al.,2022	+	-	-	-	-	-	-	+	+	-
Hao,et al.,2024	+	+	-	+	-	-	+	+	+	-
Jin ,et al.,2024	+	-	-	-	-	-	-	+	+	-
Wojcik-Grzybek D,et al.,2024	+	+	-	+	-	-	-	+	+	-
Szalai Z, et al.,2014	+	+	-	+	-	+	+	+	+	-
Liu ,et al.,2015	+	+	-	+	-	-	-	+	+	-
Mazur-Bialy,et al.,2017	+	+	-	+	-	-	-	+	+	-
Maillard F,et al.,2019	+	+	-	+	-	-	-	+	+	-
Estaki M,et al.,2020	+	+	-	+	-	-	+	+	+	-
Wojcik-Grzybek D,et al.,2022	+	+	-	+	-	-	-	+	+	-
Kolahi Z,et al.,2023	+	+	-	+	-	-	-	+	+	-
Özbeyli D,et al.,2016	+	+	-	+	-	-	+	+	+	-
de Oliveira Santos R,et al.,2021	+	-	-	-	-	-	-	+	+	-

+

Low

-

Unclear

+

High

D1: Sequence generation

D2: Baseline characteristics

D3: Allocation concealment

D4: Random housing

D5: Blinding(performance bias)

D6: Random outcome assessment

D7: Blinding(detection bias)

D8: Incomplete outcome data

D9: Selective outcome reporting

D10: Other sources of bias

Supplementary Figure 1 Risk of bias SYRCLE's RoB tool for animal studies.