

**Table S9.** Study quality and Risk of Bias assessment checklist

Hooijmans et al. SYRCLE’s risk of bias tool for animal studies. BMC Medical Research Methodology 2014, 14:43 <http://www.biomedcentral.com/1471-2288/14/43>.

	Selection bias	Selection bias	Selection bias	Performance bias	Performance bias	Detection bias	Detection bias	Attrition bias	Reporting bias	Other
Study (1st Author, Year)	1. Was the allocation sequence adequately generated & applied?	2. Were the groups similar at baseline or were they adjusted for confounders in the analysis?	3. Was the allocation adequately concealed?	4. Were the animals randomly housed during the experiment?	5. Were the caregivers and/or investigators blinded from knowledge which intervention each animal received during the experiment?	6. Were animals selected at random for outcome assessment?	7. Was the outcome assessor blinded?	8. Were incomplete outcome data adequately addressed?	9. Are reports of the study free of selective outcome reporting?	10. Was the study apparently free of other problems that could result in high risk of bias?
Kobayashi (2009) 1	UC	UC	UC	UC	UC	UC	UC	Y	Y	Y
Lavasani (2010) 2	UC	Y	UC	UC	UC	UC	UC	Y	Y	UC
Reparaz (2010)2.1	UC	UC	UC	UC	UC	UC	UC	Y	Y	Y
Takata (2011) 3	UC	Y	UC	UC	UC	UC	UC	Y	Y	Y
Kobayashi (2012) 4	UC	Y	UC	UC	UC	UC	UC	Y	Y	Y
Kwon (2013) 5	UC	Y	UC	UC	UC	UC	UC	Y	Y	UC

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Goudarzvand (2016) 6	Y	UC	UC	UC	UC	Y	UC	Y	Y	Y
Abdurasulova (2016)7	UC	Y	UC	UC	UC	UC	UC	Y	Y	Y
Abdurasulova, (2017) <sup>8</sup>	UC	Y	UC	UC	UC	UC	UC	Y	Y	Y
Salehipour (2017) <sup>9</sup>	Y	Y	UC	UC	Y	Y	Y	Y	Y	Y
Secher (2017) <sup>10</sup>	UC	Y	UC	UC	UC	UC	UC	Y	Y	Y
Yamashita (2018)11	UC	Y	UC	UC	UC	UC	UC	Y	UC	Y

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Consonni (2018) 12	Y	UC	Y	Y	Y	Y	Y	Y	Y	Y
Chen et al (2019) 13	Y	Y	UC	UC	UC	UC	UC	Y	Y	Y
He (2019) 14	UC	Y	UC	UC	UC	UC	UC	Y	Y	Y
Shahi (2014) 14.1	UC	UC	UC	UC	UC	UC	UC	UC	Y	Y
Bajic (2020) 15	UC	Y	UC	UC	UC	UC	UC	Y	Y	Y
Dargahi (2020) 16	UC	UC	UC	UC	UC	UC	UC	UC	UC	UC
Barreiro (2020) 17	Y	Y	UC	UC	UC	Y	UC	Y	Y	Y
Samani (2020) 18	Y	UC	UC	Y	UC	UC	UC	Y	Y	Y

	<b>Selection bias</b>	<b>Selection bias</b>	<b>Selection bias</b>	<b>Performance bias</b>	<b>Performance bias</b>	<b>Detection bias</b>	<b>Detection bias</b>	<b>Attrition bias</b>	<b>Reporting bias</b>	<b>Other</b>
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<b>Mestre (2020) 19</b>	Uc	Y	UC	UC	UC	UC	UC	Y	Y	Y
<b>Digebsara (2020) 20</b>	UC	UC	UC	UC	UC	Y	UC	UC	Y	Y