

Author	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
Yaribeygi, Noroozadeh et al.	●	●	●	●	●	●	●	●	●
Yaribeygi, Mohammadi, 2018 et al.	●	●	●	●	●	●	●	●	●
Yaribeygi, Mohammadi 2017 et al.	●	●	●	●	●	●	●	●	●
Wu, Long al.	●	●	●	●	●	●	●	●	●
Talebanzadeh, Ashrafi et al.	●	●	●	●	●	●	●	●	●
Sefidgar, Ahmadi- hamedani et al.	●	●	●	●	●	●	●	●	●
Samarghandian, Borji et al.	●	●	●	●	●	●	●	●	●
Samarghandian, Azimi-Nezhad 2014 et al.	●	●	●	●	●	●	●	●	●
Samarghandian, Azimi-Nezhad 2017 et al.	●	●	●	●	●	●	●	●	●
Samarghandian, Azimi-Nezhad 2016 et al.	●	●	●	●	●	●	●	●	●
Samarghandian, Afshari et al.	●	●	●	●	●	●	●	●	●
Samaha, Said, & Salem et al.	●	●	●	●	●	●	●	●	●
Rajaei, Hadjzadeh et al.	●	●	●	●	●	●	●	●	●
Rahbani, Mohajeri et al.	●	●	●	●	●	●	●	●	●
Qiu, Jiang et al.	●	●	●	●	●	●	●	●	●
Motamedrad, Shokouhifar et al.	●	●	●	●	●	●	●	●	●
Rahbani, Daryoush et al.	●	●	●	●	●	●	●	●	●
Margaritis, Angelopoulou et al.	●	●	●	●	●	●	●	●	●
Kianbakht, Mozaffari et al.	●	●	●	●	●	●	●	●	●
Hazman, Ovali et al.	●	●	●	●	●	●	●	●	●
Hazman, Bozkurt et al.	●	●	●	●	●	●	●	●	●
Hazman, Aksoy et al.	●	●	●	●	●	●	●	●	●
Hasanpour, Ashrafi et al.	●	●	●	●	●	●	●	●	●
Yaribeygi, Rezaee et al.	●	●	●	●	●	●	●	●	●
Ghorbanzadeh, Mohammadi et al.	●	●	●	●	●	●	●	●	●
Farshid, Tamaddonfard, 2016 et al.	●	●	●	●	●	●	●	●	●
Farshid, Tamaddonfard, 2015et al.	●	●	●	●	●	●	●	●	●
El- Fawal, Mahmoud et al.	●	●	●	●	●	●	●	●	●
Bajerska, Mildner-Szkudlarz et al.	●	●	●	●	●	●	●	●	●
Bahmani, Bathaie et al.	●	●	●	●	●	●	●	●	●
Asri Rezaei, Tamaddonfard et al.	●	●	●	●	●	●	●	●	●
Ashrafi, Nazifi et al.	●	●	●	●	●	●	●	●	●
Altinoz, Taskin et al.	●	●	●	●	●	●	●	●	●
Altinoz, Oner, 2014 et al.	●	●	●	●	●	●	●	●	●
Altinoz, Oner, 2015 et al.	●	●	●	●	●	●	●	●	●
Ahmadi, Rajaei et al.	●	●	●	●	●	●	●	●	●
AbouHany, Atef et al.	●	●	●	●	●	●	●	●	●
Tamaddonfard, Farshid et al.	●	●	●	●	●	●	●	●	●
Altinoz, Oner, Elbe,2014 et al.	●	●	●	●	●	●	●	●	●
Kapucu et al.	●	●	●	●	●	●	●	●	●
Skourtis, Krontira A et al.	●	●	●	●	●	●	●	●	●
Yaribeygi, Atkin et al.	●	●	●	●	●	●	●	●	●

● Yes ●Unclear ● No

Supplementary Figure 1. Quality assessment of included articles in the meta-analysis.

Q1: Was the allocation sequence adequately generated and applied? **Q2:** Were the groups similar at baseline, or were they adjusted for confounders in the analysis? **Q3:** Was the allocation to the different groups adequately concealed during? **Q4:** Were the animals randomly housed during the experiment? **Q5:**

Were the caregivers and/or investigators blinded from knowledge of which intervention each animal received during the experiment? **Q6:** Was the outcome assessor-blinded? **Q7:** Were incomplete outcome data adequately addressed? **Q8:** Are reports of the study free of selective outcome reporting? **Q9:** Was the study free of other problems that could result in a high risk of bias?