					Stu	dies			
Sig	naling questions	ALMASRI et al. 2022	BREDE et al. 2022	CHEN et al. 2022	DEL CASTILO et al. 2022	LIU et al. 2022	MOTTA et al. 2022	TLAIS et al. 2022	BILLENKAMP et al. 2021
1	Was the allocation sequence adequately generated and applied?	Yes	Yes	No	No	No	No	No	Yes
2	Were the groups similar at baseline?	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
3	Was the allocation to the different groups adequately concealed during?	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
4	Were the animals randomly housed during the experiment?	Yes	No	Yes	?	Yes	?	No	Yes
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?	Yes	No	Yes	?	Yes	?	?	Yes
7	Was the outcome assessor blinded?	Yes	?	?	Yes	?	?	?	?
8	Were incomplete outcome data adequately addressed?	No	Yes	No	No	No	No	Yes	Yes
9 10	Are reports of the study free of selective outcome reporting? Was the study apparently free of other problems that could result in high risk of bias?	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes ?

						Studies			
Sig	naling questions	CASTELLI et al. 2021	DING et al. 2021	HU et al. 2021	MESNAGE et al. 2021	OWAGBORUIAYE, et al. 2021	GÓMEZ- GALLEGO et al. 2020	IORI et al. 2020	KRAUSE <i>et al.</i> 2020
1	Was the allocation sequence adequately generated and applied?	Yes	No	Yes	Yes	No	Yes	No	No
2	Were the groups similar at baseline?	Yes	Yes	Yes	Yes	No	?	No	Yes
3	Was the allocation to the different groups adequately concealed during?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	Were the animals randomly housed during the experiment?	Yes	?	Yes	Yes	No	?	Yes	No
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?	Yes	?	Yes	?	?	?	Yes	?
7	Was the outcome assessor blinded?	?	?	?	?	?	?	?	?
8	Were incomplete outcome data adequately addressed?	Yes	No	Yes	No	No	No	Yes	Yes
9	Are reports of the study free of selective outcome reporting?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10	Was the study apparently free of other problems that could result in high risk of bias?	Yes	Yes	?	?	Yes	Yes	Yes	Yes

				Ś	Studies				
Sig	naling questions	MOTTA et al. 2020	MOTTA AND MORAN, 2020	RUUSKANEN et al. 2020	SONG et al. 2020	SUPPA et al. 2020	TANG et al. 2020	BILAN et al. 2019	BLOT et al. 2019
1	Was the allocation sequence adequately generated and applied?	No	No	No	No	No	No	No	Yes
2	Were the groups similar at baseline?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3	Was the allocation to the different groups adequately concealed during?	Yes	Yes	Yes	Yes	Yes	?	No	?
4	Were the animals randomly housed during the experiment?	?	Yes	Yes	Yes	Yes	Yes	Yes	?
5	Were the caregivers and/or investigators blinded from knowledge which intervention each animal received during the experiment?	No	?	Yes	Yes	?	?	No	No
6	Were animals selected at random for outcome assessment?	No	No	Yes	Yes	Yes	Yes	No	?
7	Was the outcome assessor blinded?	?	?	Yes	?	?	Yes	No	No
8	Were incomplete outcome data adequately addressed?	No	No	No	Yes	?	Yes	Yes	Yes
9 10	Are reports of the study free of selective outcome reporting? Was the study apparently free of other problems that could result in high risk of bias?	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes ?	Yes Yes	Yes ?	Yes Yes

Table S3. Evaluation of risk of bias in studies with animal models according to the SYRCLE tool.
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		Studies										
Sig	naling questions	BOTE et al. 2019	DECHARTRES et al. 2019	MESNAGE et al. 2019	PÖPPE et al. 2019	YANG et al. 2019	AITBALI et al. 2018	DAI et al. 2018	KITTLE <i>et al.</i> 2018			
1	Was the allocation sequence adequately generated and applied?	No	No	Yes	No	No	No	No	No			
2	Were the groups similar at baseline?	Yes	Yes	Yes	No	Yes	Yes	Yes	?			
3	Was the allocation to the different groups adequately concealed during?	?	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
4	Were the animals randomly housed during the experiment?	?	Yes	Yes	?	?	?	Yes	?			
5	Were the caregivers and/or investigators blinded from knowledge which intervention each animal received during the experiment?	?	Yes	Yes	?	?	?	?	No			
6	Were animals selected at random for outcome assessment?	?	Yes	Yes	No	?	?	Yes	No			
7	Was the outcome assessor blinded?	?	Yes	Yes	?	?	?	?	No			
8	Were incomplete outcome data adequately addressed?	Yes	Yes	Yes	Yes	No	Yes	No	No			
9	Are reports of the study free of selective outcome reporting?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
10	Was the study apparently free of other problems that could result in high risk of bias?	Yes	Yes	Yes	Yes	?	Yes	Yes	?			

						Studies			
Sig	naling questions	LOZANO et al. 2018	MADISON et al. 2018	MAO et al. 2018	MOTTA et al. 2018	NIELSEN et al. 2018	ACKERMANN et al. 2014	KRÜGER et al. 2013	SHEHATA et al. 2013
1	Was the allocation sequence adequately generated and applied?	No	No	No	No	No	No	No	No
2	Were the groups similar at baseline?	?	Yes	Yes	Yes	Yes	Yes	Yes	No
3	Was the allocation to the different groups adequately concealed during?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	Were the animals randomly housed during the experiment?	?	Yes	Yes	?	Yes	No	?	?
5	Were the caregivers and/or investigators blinded from knowledge which intervention each animal received during the experiment?	Yes	?	?	?	?	No	?	?
6	Were animals selected at random for outcome assessment?	No	?	?	?	Yes	No	?	No
7	Was the outcome assessor blinded?	?	?	?	?	?	No	?	No
8	Were incomplete outcome data adequately addressed?	Yes	Yes	Yes	No	Yes	Yes	Yes	?
9	Are reports of the study free of selective outcome reporting?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10	Was the study apparently free of other problems that could result in high risk of bias?	Yes	?	Yes	?	Yes	?	?	?

Study	Selection bias 1	Selection bias 2	Selection bias 3	Performance bias 1	Performance bias 2	Detection bias 1	Detection bias 2	Attrition bias	Reporting bias	Other potential bias
ALMASRI et al. 2022	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$
<b>BREDE</b> <i>et al. 2022</i>	$\checkmark$	$\checkmark$	$\checkmark$	Х	Х	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
CHEN et al. 2022	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
DEL CASTILO et al. 2022	Х	$\checkmark$	$\checkmark$	?	Х	?	$\checkmark$	Х	$\checkmark$	$\checkmark$
LIU et al. 2022	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
MOTTA et al. 2022	Х	$\checkmark$	Х	?	Х	?	?	Х	$\checkmark$	$\checkmark$
TLAIS et al. 2022	Х	Х	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
BILLENKAMP et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	?
CASTELLI et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
DING et al. 2021	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$
HU et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
MESNAGE et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
OWAGBORUIAYE,	Х	Х	$\checkmark$	?	Х	?	?	?	$\checkmark$	$\checkmark$

et	al.	2021

GÓMEZ- GALLEGO et al. 2020	Х	Х	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
IORI et al. 2020	$\checkmark$	?	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$
KRAUSE et al. 2020	Х	$\checkmark$	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
MOTTA <i>et al. 2020</i>	Х	$\checkmark$	$\checkmark$	?	Х	Х	?	Х	$\checkmark$	$\checkmark$
MOTTA AND MORAN, 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	Х	?	Х	$\checkmark$	$\checkmark$
RUUSKANEN et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$
SONG et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
SUPPA et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	?	$\checkmark$	?
TANG et al. 2020	Х	$\checkmark$	?	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?
BILAN et al. 2019	Х	$\checkmark$	Х	$\checkmark$	Х	Х	Х	$\checkmark$	$\checkmark$	?
BLOT et al. 2019	$\checkmark$	$\checkmark$	?	?	Х	?	Х	$\checkmark$	$\checkmark$	$\checkmark$

BOTE et al. 2019	Х	$\checkmark$	?	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DECHARTRES et al. 2019	Х	$\checkmark$								
MESNAGE <i>et al.</i> 2019	$\checkmark$									
PÖPPE et al. 2019	Х	Х	$\checkmark$	?	Х	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
YANG et al. 2019	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?
AITBALI et al. 2018	Х	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DAI et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
KITTLE <i>et</i> al. 2018	Х	?	$\checkmark$	?	Х	Х	Х	Х	$\checkmark$	?
LOZANO et al. 2018	Х	?	$\checkmark$	?	$\checkmark$	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
MADISON et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?
MAO et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
MOTTA et al. 2018	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?
NIELSEN et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$

ACKERMANN et al. 2014	Х	$\checkmark$	$\checkmark$	Х	Х	Х	Х	$\checkmark$	$\checkmark$	?
KRÜGER et al. 2013	X	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	?
SHEHATA et al. 2013	Х	Х	$\checkmark$	?	Х	Х	Х	?	$\checkmark$	?

Table S3 (continuation) Assessment of risk of bias in preclinical animal studies according to the SYRCLE tool.

1  $\checkmark$  = Adequate randomization; ?= randomized but no details; x=no evidence of randomization. 2  $\checkmark$  = Baseline characteristics given; ?= insufficient baseline characteristics; x= baseline characteristics not given. 3  $\checkmark$  = Evidence of adequate concealment of groups; ?= unknown of adequate concealment of groups; x= no evidence of adequate concealment of groups. 4  $\checkmark$  = Evidence of random housing of animals; ?= unknown housing arrangement. 5  $\checkmark$  = Evidence of caregivers blinded to intervention; x= no evidence of caregivers blinded to intervention. 6  $\checkmark$  = Evidence of random selection for assessment; ?= insuive of random selection for assessment; x= no evidence of random selection for assessment; x= no evidence of random selection for assessment; x= no evidence of random selection for assessment. 7  $\checkmark$  = Evidence of assessor blinded; ?= unknown of assessor blinded x= no evidence of assessor blinded. 8  $\checkmark$  = Explanation of missing animal data; ?= unknown of missing animal data; x=no explanation of missing animal data. 9  $\checkmark$  = Free of selective reporting based on methods/results; ?= insuive reporting; x= selective reporting. 10  $\checkmark$  =Free of other high bias risk; ?= insufficient data to determine risk of other bias.

Study	Selection bias 1	Selection bias 2	Selection bias 3	Performance bias 1	Performance bias 2	Detection bias 1	Detection bias 2	Attrition bias	Reporting bias	Other potential bias
ALMASRI et al. 2022	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$
BREDE <i>et al. 2022</i>	$\checkmark$	$\checkmark$	$\checkmark$	Х	Х	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
CHEN et al. 2022	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
DEL CASTILO et al. 2022	Х	$\checkmark$	$\checkmark$	?	Х	?	$\checkmark$	Х	$\checkmark$	$\checkmark$
LIU et al. 2022	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
MOTTA <i>et al. 2022</i>	Х	$\checkmark$	Х	?	Х	?	?	Х	$\checkmark$	$\checkmark$
TLAIS et al. 2022	Х	Х	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
BILLENKAMP et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	?
CASTELLI et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
DING et al. 2021	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$

HU et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
MESNAGE et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
OWAGBORUIAYE, et al. 2021	Х	Х	$\checkmark$	?	Х	?	?	?	$\checkmark$	$\checkmark$
GÓMEZ- GALLEGO <i>et al.</i> 2020	Х	Х	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
IORI et al. 2020	$\checkmark$	?	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$
KRAUSE et al. 2020	Х	$\checkmark$	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
MOTTA et al. 2020	Х	$\checkmark$	$\checkmark$	?	Х	Х	?	Х	$\checkmark$	$\checkmark$
MOTTA AND MORAN, <i>2020</i>	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	Х	?	Х	$\checkmark$	$\checkmark$
RUUSKANEN <i>et al.</i> 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$
SONG et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
SUPPA et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	?	$\checkmark$	?
TANG et al. 2020	Х	$\checkmark$	?	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?

BILAN et al. 2019	Х	$\checkmark$	Х	$\checkmark$	Х	Х	Х	$\checkmark$	$\checkmark$	?
BLOT et al. 2019	$\checkmark$	$\checkmark$	?	?	Х	?	Х	$\checkmark$	$\checkmark$	$\checkmark$
BOTE et al. 2019	Х	$\checkmark$	?	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DECHARTRES et al. 2019	Х	$\checkmark$								
MESNAGE <i>et al.</i> 2019	$\checkmark$									
PÖPPE et al. 2019	Х	Х	$\checkmark$	?	Х	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
YANG et al. 2019	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?
AITBALI et al. 2018	Х	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DAI et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
KITTLE et al. 2018	Х	?	$\checkmark$	?	Х	Х	Х	Х	$\checkmark$	?
LOZANO et al. 2018	Х	?	$\checkmark$	?	$\checkmark$	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
MADISON et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?
MAO et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$

MOTTA <i>et al. 2018</i>	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?
NIELSEN et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
ACKERMANN et al. 2014	Х	$\checkmark$	$\checkmark$	Х	Х	Х	Х	$\checkmark$	$\checkmark$	?
KRÜGER et al. 2013	Х	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	?
SHEHATA <i>et al.</i> 2013	Х	Х	$\checkmark$	?	Х	Х	Х	?	$\checkmark$	?

Study	Selection bias 1	Selection bias 2	Selection bias 3	Performance bias 1	Performance bias 2	Detection bias 1	Detection bias 2	Attrition bias	Reporting bias	Other potential bias
ALMASRI et al. 2022	√	$\checkmark$	$\checkmark$	$\checkmark$	X	$\checkmark$	$\checkmark$	Х	√	$\checkmark$
BREDE <i>et al. 2022</i>	$\checkmark$	$\checkmark$	$\checkmark$	Х	Х	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
CHEN et al. 2022	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
DEL CASTILO et al. 2022	Х	$\checkmark$	$\checkmark$	?	Х	?	$\checkmark$	Х	$\checkmark$	$\checkmark$
LIU et al. 2022	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
MOTTA <i>et al. 2022</i>	Х	$\checkmark$	Х	?	Х	?	?	Х	$\checkmark$	$\checkmark$
TLAIS et al. 2022	Х	Х	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
BILLENKAMP et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	?
CASTELLI et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
DING et al. 2021	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$

HU et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
MESNAGE et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
OWAGBORUIAYE, et al. 2021	Х	Х	$\checkmark$	?	Х	?	?	?	$\checkmark$	$\checkmark$
GÓMEZ- GALLEGO <i>et al.</i> 2020	Х	Х	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
IORI et al. 2020	$\checkmark$	?	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$
KRAUSE et al. 2020	Х	$\checkmark$	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
MOTTA et al. 2020	Х	$\checkmark$	$\checkmark$	?	Х	Х	?	Х	$\checkmark$	$\checkmark$
MOTTA AND MORAN, <i>2020</i>	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	Х	?	Х	$\checkmark$	$\checkmark$
RUUSKANEN <i>et al.</i> 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$
SONG et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
SUPPA et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	?	$\checkmark$	?
TANG et al. 2020	Х	$\checkmark$	?	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?

BILAN et al. 2019	Х	$\checkmark$	Х	$\checkmark$	Х	Х	Х	$\checkmark$	$\checkmark$	?
BLOT et al. 2019	$\checkmark$	$\checkmark$	?	?	Х	?	Х	$\checkmark$	$\checkmark$	$\checkmark$
BOTE et al. 2019	Х	$\checkmark$	?	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DECHARTRES et al. 2019	Х	$\checkmark$								
MESNAGE <i>et al.</i> 2019	$\checkmark$									
PÖPPE et al. 2019	Х	Х	$\checkmark$	?	Х	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
YANG et al. 2019	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?
AITBALI et al. 2018	Х	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DAI et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
KITTLE et al. 2018	Х	?	$\checkmark$	?	Х	Х	Х	Х	$\checkmark$	?
LOZANO et al. 2018	Х	?	$\checkmark$	?	$\checkmark$	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
MADISON et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?
MAO et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$

MOTTA et al. 2018	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?
NIELSEN et al. 2018	X	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
ACKERMANN et al. 2014	Х	$\checkmark$	$\checkmark$	Х	Х	Х	Х	$\checkmark$	$\checkmark$	?
KRÜGER et al. 2013	Х	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	?
SHEHATA et al. 2013	Х	Х	$\checkmark$	?	Х	Х	Х	?	$\checkmark$	?
Study	Selection bias 1	Selection bias 2	Selection bias 3	Performance bias 1	Performance bias 2	Detection bias 1	Detection bias 2	Attrition bias	Reporting bias	Other potential
										bias
	√	√	√	√	X	√	√	X	√	bias √
2022	√ √	√ √	√ √	√ X	X X	√ X	√ ?	x √	√ √	
2022 BREDE <i>et al.</i> 2022										√
ALMASRI et al. 2022 BREDE et al. 2022 CHEN et al. 2022 DEL CASTILO et al. 2022	$\checkmark$	$\checkmark$	$\checkmark$	X	Х	X	?	$\checkmark$	$\checkmark$	√ √

MOTTA <i>et al. 2022</i>	Х	$\checkmark$	Х	?	Х	?	?	Х	$\checkmark$	$\checkmark$
TLAIS et al. 2022	Х	Х	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
BILLENKAMP et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	?
CASTELLI et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
DING et al. 2021	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$
HU et al. 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
MESNAGE <i>et al.</i> 2021	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	Х	$\checkmark$	?
OWAGBORUIAYE, et al. 2021	Х	Х	$\checkmark$	?	Х	?	?	?	$\checkmark$	$\checkmark$
GÓMEZ- GALLEGO et al. 2020	Х	Х	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
IORI et al. 2020	$\checkmark$	?	$\checkmark$	?	Х	?	?	Х	$\checkmark$	$\checkmark$
KRAUSE et al. 2020	Х	$\checkmark$	$\checkmark$	Х	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$

MOTTA et al. 2020	Х	$\checkmark$	$\checkmark$	?	Х	Х	?	Х	$\checkmark$	$\checkmark$
MOTTA AND MORAN, 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	Х	?	Х	$\checkmark$	$\checkmark$
RUUSKANEN <i>et al.</i> 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	$\checkmark$
SONG et al. 2020	Х	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
SUPPA <i>et al. 2020</i>	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	?	$\checkmark$	?
TANG et al. 2020	Х	$\checkmark$	?	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?
BILAN et al. 2019	Х	$\checkmark$	Х	$\checkmark$	Х	Х	Х	$\checkmark$	$\checkmark$	?
BLOT et al. 2019	$\checkmark$	$\checkmark$	?	?	Х	?	Х	$\checkmark$	$\checkmark$	$\checkmark$
BOTE et al. 2019	Х	$\checkmark$	?	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DECHARTRES et al. 2019	Х	$\checkmark$								
MESNAGE <i>et al.</i> 2019	$\checkmark$									
PÖPPE et al. 2019	Х	Х	$\checkmark$	?	Х	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
YANG et al. 2019	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?

AITBALI et al. 2018	Х	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
DAI et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	Х	$\checkmark$	$\checkmark$
KITTLE <i>et</i> al. 2018	Х	?	$\checkmark$	?	Х	Х	Х	Х	$\checkmark$	?
LOZANO et al. 2018	Х	?	$\checkmark$	?	$\checkmark$	Х	?	$\checkmark$	$\checkmark$	$\checkmark$
MADISON et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	?
MAO et al. 2018	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	?	?	$\checkmark$	$\checkmark$	$\checkmark$
MOTTA et al. 2018	Х	$\checkmark$	$\checkmark$	?	Х	?	?	Х	$\checkmark$	?
NIELSEN <i>et al. 2018</i>	Х	$\checkmark$	$\checkmark$	$\checkmark$	Х	$\checkmark$	?	$\checkmark$	$\checkmark$	$\checkmark$
ACKERMANN et al. 2014	Х	$\checkmark$	$\checkmark$	Х	Х	Х	Х	$\checkmark$	$\checkmark$	?
KRÜGER et al. 2013	Х	$\checkmark$	$\checkmark$	?	Х	?	?	$\checkmark$	$\checkmark$	?
SHEHATA et al. 2013	Х	Х	$\checkmark$	?	Х	Х	Х	?	$\checkmark$	?