

## Supplementary File S3: risk of bias

### Cohort Study

Reference: Yu Q et al, 2023				
N	Item	Yes	Can't Tell	No
1	Did the study address a clearly focused issue?	X		
2	Was the cohort recruited in an acceptable way?	X		
3	Was the exposure accurately measured to minimise bias?	X		
4	Was the outcome accurately measured to minimise bias?	X		
5a	Have the authors identified all important confounding factors?		X	
5b	Have they taken account of the confounding factors in the design and/or analysis?		X	
6a	Was the follow up of subjects complete enough?	X		
6b	Was the follow up of subjects long enough?	X		
7	What are the results of this study?	X		
8	How precise are the results?	X		
9	Do you believe the results?	X		
10	Can the results be applied to the local population?	X		
11	Do the results of this study fit with other available evidence?	X		
12	What are the implications of this study for practice?	X		
<b>Overall Quality</b>			Medium	

Reference: Cai H et al, 2022				
N	Item	Yes	Can't Tell	No
1	Did the study address a clearly focused issue?	X		
2	Was the cohort recruited in an acceptable way?	X		
3	Was the exposure accurately measured to minimise bias?		X	
4	Was the outcome accurately measured to minimise bias?		X	
5a	Have the authors identified all important confounding factors?		X	
5b	Have they taken account of the confounding factors in the design and/or analysis?		X	
6a	Was the follow up of subjects complete enough?			X
6b	Was the follow up of subjects long enough?			X
7	What are the results of this study?	X		
8	How precise are the results?	X		
9	Do you believe the results?	X		
10	Can the results be applied to the local population?	X		
11	Do the results of this study fit with other available evidence?	X		
12	What are the implications of this study for practice?	X		
<b>Overall Quality</b>			Medium	

Reference: Tan M et al, 2020				
N	Item	Yes	Can't Tell	No
1	Did the study address a clearly focused issue?	X		
2	Was the cohort recruited in an acceptable way?			X
3	Was the exposure accurately measured to minimise bias?			X
4	Was the outcome accurately measured to minimise bias?			X
5a	Have the authors identified all important confounding factors?		X	
5b	Have they taken account of the confounding factors in the design and/or analysis?		X	
6a	Was the follow up of subjects complete enough?			X
6b	Was the follow up of subjects long enough?			X
7	What are the results of this study?	X		
8	How precise are the results?	X		
9	Do you believe the results?	X		
10	Can the results be applied to the local population?	X		
11	Do the results of this study fit with other available evidence?	X		
12	What are the implications of this study for practice?	X		
<b>Overall Quality</b>			Low	

Reference: Christodoulou G et al, 2020				
N	Item	Yes	Can't Tell	No
1	Did the study address a clearly focused issue?	X		
2	Was the cohort recruited in an acceptable way?	X		
3	Was the exposure accurately measured to minimise bias?		X	
4	Was the outcome accurately measured to minimise bias?		X	
5a	Have the authors identified all important confounding factors?		X	
5b	Have they taken account of the confounding factors in the design and/or analysis?		X	
6a	Was the follow up of subjects complete enough?			X
6b	Was the follow up of subjects long enough?			X
7	What are the results of this study?	X		
8	How precise are the results?	X		

9	Do you believe the results?	X		
10	Can the results be applied to the local population?	X		
11	Do the results of this study fit with other available evidence?	X		
12	What are the implications of this study for practice?	X		
<b>Overall Quality</b>		Medium		

<b>Reference: Guillot CR et al, 2020</b>				
	<b>Item</b>	<b>Yes</b>	<b>Can't Tell</b>	<b>No</b>
	Did the study address a clearly focused issue?	X		
	Was the cohort recruited in an acceptable way?	X		
	Was the exposure accurately measured to minimise bias?		X	
	Was the outcome accurately measured to minimise bias?		X	
	Have the authors identified all important confounding factors?		X	
	Have they taken account of the confounding factors in the design and/or analysis?		X	
	Was the follow up of subjects complete enough?	X		
	Was the follow up of subjects long enough?	X		
	What are the results of this study?	X		
	How precise are the results?	X		
	Do you believe the results?	X		
	Can the results be applied to the local population?	X		
	Do the results of this study fit with other available evidence?	X		
	What are the implications of this study for practice?	X		
<b>Overall Quality</b>		Medium		

## Case Control Study

<b>Reference: Gürbüz HGA et al, 2016</b>				
<b>N</b>	<b>Item</b>	<b>Yes</b>	<b>Can't Tell</b>	<b>No</b>
1	Did the study address a clearly focused issue?	X		
2	Did the authors use an appropriate method to answer their question?	X		
3	Were the cases recruited in an acceptable way?	X		
4	Were the controls selected in an acceptable way?	X		
5	Was the exposure accurately measured to minimise bias?		X	
6a	Aside from the experimental intervention, were the groups treated equally?		X	
6b	Have the authors taken account of the potential confounding factors in the design and/or in their analysis?	X		
7	How large was the treatment effect?	X		
8	How precise was the estimate of the treatment effect?	X		
9	Do you believe the results?	X		
10	Can the results be applied to the local population?	X		
11	Do the results of this study fit with other available evidence?	X		
<b>Overall Quality</b>		Medium		

<b>Reference: Lee YJ et al, 2014</b>				
<b>N</b>	<b>Item</b>	<b>Yes</b>	<b>Can't Tell</b>	<b>No</b>
1	Did the study address a clearly focused issue?	X		
2	Did the authors use an appropriate method to answer their question?	X		
3	Were the cases recruited in an acceptable way?	X		
4	Were the controls selected in an acceptable way?		X	
5	Was the exposure accurately measured to minimise bias?		X	
6a	Aside from the experimental intervention, were the groups treated equally?		X	
6b	Have the authors taken account of the potential confounding factors in the design and/or in their analysis?	X		
7	How large was the treatment effect?	X		
8	How precise was the estimate of the treatment effect?	X		
9	Do you believe the results?	X		
10	Can the results be applied to the local population?	X		
11	Do the results of this study fit with other available evidence?	X		
<b>Overall Quality</b>		Medium		