Bilag 6 AMSTAR vurderinger

 Barnes H, McDonald J, Smallwood N, Manser R. Opioids for the palliation of refractory breathlessness in adults with advanced disease and terminal illness. The Cochrane database of systematic reviews. 2016;3:Cd011008.

Se AMSTAR vurdering side 2.

• Ekstrom M, Bajwah S, Bland JM, Currow DC, Hussain J, Johnson MJ. One evidence base; three stories: do opioids relieve chronic breathlessness? Thorax. 2018;73(1):88-90.

Se AMSTAR vurdering side 9.

• Verberkt CA, van den Beuken-van Everdingen MHJ, Schols J, Datla S, Dirksen CD, Johnson MJ, et al. Respiratory adverse effects of opioids for breathlessness: a systematic review and meta-analysis. The European respiratory journal. 2017;50(5).

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• Simon ST, Higginson IJ, Booth S, Harding R, Weingartner V, Bausewein C. Benzodiazepines for the relief of breathlessness in advanced malignant and non-malignant diseases in adults. Cochrane Database of Systematic Reviews. 2016;2016 (10) (no pagination)(CD007354).

Se AMSTAR vurdering side 23.

	Prir	iter Frie	naly version
Article Name: Barnes 2016			
1. Did the research questions include the components of P		or the re	eview
For Yes:	Optional (recommended)		
Population	☐ Timeframe for follow u	ıp 🔽	Yes
Intervention			No
Comparator group			
Outcome			
2. Did the report of the review review methods were establed did the report justify any signal For Partial Yes:	ished prior to the condu	ct of the	review and
The authors state that they had a written protocol or guide that included ALL the following:	As for partial yes, plus the protocol should be registed and should also have specified:		
review question(s)	a meta-analysis/synth plan, if appropriate, and	esis 🔽	Yes Partial Yes
a search strategy	a plan for investigating causes of heterogeneity	g	No
inclusion/exclusion criteria	a plan for investigating causes of heterogeneity	g	
\square a risk of bias assessment			
\square a risk of bias assessment	causes of heterogeneity		

3. Did the review authors explain their selection of the study designs for inclusion in the review?

Explanation for including only RCTs			Yes	
□ OR Explanation for including only NRSI		~	No	
OR Explanation for including				
4. Did the review authors us strategy?	e a comprehensive literature	sea	arch	
For Partial Yes (all the following):	For Yes, should also have (all the following):			
searched at least 2 databases (relevant to research question)	searched the reference lists / bibliographies of included studies		Yes Partial Yes No	
provided key word and/or search strategy	searched trial/study registries		NO	
justified publication restrictions (e.g. language)	included/consulted content experts in the field			
	where relevant, searched for grey literature			
	conducted search within 24 months of completion of the review			
5. Did the review authors perform study selection in duplicate? For Yes, either ONE of the following:				
at least two reviewers independently agreed on selection of eligible studies and achieved consensus on which studies to include			Yes No	
OR two reviewers selected a sample of eligible studies and achieved good agreement (at least 80 percent), with the remainder selected by one reviewer.				

<u>-</u>	rform data extraction in dupli	cat	e?
extract from included studies	ved consensus on which data to data from a sample of eligible ement (at least 80 percent),		Yes No
the exclusions?	ovide a list of excluded studie	s a	nd justify
provided a list of all potentially relevant studies that were read in full-text form but excluded from the review			Yes Partial Yes No
8. Did the review authors ded detail?	scribe the included studies in	ad	equate
	For Yes, should also have ALL the following:	ad	equate
detail? For Partial Yes (ALL the	For Yes, should also have ALL		equate Yes Partial Yes
detail? For Partial Yes (ALL the following):	For Yes, should also have ALL the following: described population in	>	Yes
detail? For Partial Yes (ALL the following): described populations	For Yes, should also have ALL the following: described population in detail described intervention in detail (including doses where	>	Yes Partial Yes
detail? For Partial Yes (ALL the following): described populations described interventions	For Yes, should also have ALL the following: described population in detail described intervention in detail (including doses where relevant) described comparator in detail (including doses where	>	Yes Partial Yes

For Partial Yes, must have assessed RoB from	For Yes, must also have assessed RoB from:	
$\ ^{\square}$ unconcealed allocation, and	allocation sequence that was not truly random, and	Yes Partial Yes
lack of blinding of patients and assessors when assessing outcomes (unnecessary for objective outcomes such as all-cause mortality)	selection of the reported result from among multiple measurements or analyses of a specified outcome	□ No □ Includes only NRSI
NRSI		
For Partial Yes, must have assessed RoB:	For Yes, must also have assessed RoB:	
$^{\square}$ from confounding, and	methods used to ascertain exposures and outcomes, and	☐ Yes ☐ Partial Yes
from selection bias	selection of the reported result from among multiple measurements or analyses of a specified outcome	□ No □ Includes only RCTs
10. Did the review authors restudies included in the review For Yes	-	ng for the
Must have reported on the s studies included in the review. I reviewers looked for this inform by study authors also qualifies	· · · · · · · · · · · · · · · · · · ·	☐ Yes ☑ No

11. If meta-analysis was performed did the review authors use appropriate methods for statistical combination of results?

RCTs

For Yes:	
$\ \ \square$ The authors justified combining the data in a meta-analysis	▼ Yes
AND they used an appropriate weighted technique to combine study results and adjusted for heterogeneity if present.	No meta- analysis conducted
\square AND investigated the causes of any heterogeneity	conducted
For NRSI For Yes:	
$\ \ \square$ The authors justified combining the data in a meta-analysis	□ Yes
AND they used an appropriate weighted technique to combine study results, adjusting for heterogeneity if present	No meta-
$\hfill\Box$ AND they statistically combined effect estimates from NRSI that were adjusted for confounding, rather than combining raw data, or justified combining raw data when adjusted effect estimates were not available	analysis conducted
$\hfill\Box$ AND they reported separate summary estimates for RCTs and NRSI separately when both were included in the review	
12. If meta-analysis was performed, did the review autho potential impact of RoB in individual studies on the result analysis or other evidence synthesis? For Yes:	
included only low risk of bias RCTs	✓ Yes
OR, if the pooled estimate was based on RCTs and/or NRSI at variable RoB, the authors performed analyses to investigate possible impact of RoB on summary estimates of effect.	No No meta- analysis conducted

13. Did the review authors account for RoB in individual studies when interpreting/ discussing the results of the review?

For Yes:		
included only low risk of bias RCTs		Yes No
OR, if RCTs with moderate or high RoB, or NRSI were included the review provided a discussion of the likely impact of RoB on the results		
14. Did the review authors provide a satisfactory explana discussion of, any heterogeneity observed in the results of For Yes:		
There was no significant heterogeneity in the results		Yes No
OR if heterogeneity was present the authors performed an investigation of sources of any heterogeneity in the results and discussed the impact of this on the results of the review	i	
15. If they performed quantitative synthesis did the reviecarry out an adequate investigation of publication bias (sbias) and discuss its likely impact on the results of the results.	smal	l study
carry out an adequate investigation of publication bias (s	smal	l study
carry out an adequate investigation of publication bias (s bias) and discuss its likely impact on the results of the re	smal eviev	l study
carry out an adequate investigation of publication bias (sbias) and discuss its likely impact on the results of the reference. For Yes: performed graphical or statistical tests for publication bias and discussed the likelihood and magnitude of impact of	eviev	Yes No No meta- alysis nducted

$\hfill\Box$ The authors described their funding sources and how they managed potential conflicts of interest	_	Yes No

	Prii	nter Friei	naly version
Article Name: Ekström 2018			
1. Did the research questions include the components of Pi		for the re	view
For Yes:	Optional (recommended)		
Population	☐ Timeframe for follow (up 🔽	Yes
▼ Intervention			No
Comparator group			
Outcome			
2. Did the report of the review review methods were establicated the report justify any signary for Partial Yes:	shed prior to the condu	ct of the	review and
The authors state that they had a written protocol or guide that included ALL the following:	As for partial yes, plus th		
review question(s)	a meta-analysis/synth plan, if appropriate, and	nesis \Box	Yes Partial Yes
a search strategy	a plan for investigatin causes of heterogeneity	g	No
inclusion/exclusion criteria	a plan for investigatin causes of heterogeneity	g	
\square a risk of bias assessment			

3. Did the review authors explain their selection of the study designs for inclusion in the review?

☐ Explanation for including only RCTs			Yes	
☐ OR Explanation for including only NRSI			No	
OR Explanation for including				
4. Did the review authors use a comprehensive literature search strategy?				
For Partial Yes (all the following):	For Yes, should also have (all the following):			
searched at least 2 databases (relevant to research question)	searched the reference lists / bibliographies of included studies		Yes Partial Yes No	
provided key word and/or search strategy	searched trial/study registries		NO	
justified publication restrictions (e.g. language)	included/consulted content experts in the field			
	where relevant, searched for grey literature			
	conducted search within 24 months of completion of the review			
5. Did the review authors perform study selection in duplicate? For Yes, either ONE of the following:				
at least two reviewers independently agreed on selection of eligible studies and achieved consensus on which studies to include			Yes No	
OR two reviewers selected a sample of eligible studies and achieved good agreement (at least 80 percent), with the remainder selected by one reviewer.				

		form data extraction in dupli	cat	e?
ext	tract from included studies	data from a sample of eligible ement (at least 80 percent),		Yes No
the	Did the review authors pro e exclusions? r Partial Yes:	ovide a list of excluded studie For Yes, must also have:	s a	nd justify
po tha	provided a list of all	Justified the exclusion from the review of each potentially		Yes Partial Yes No
	Did the review authors destail?	scribe the included studies in	ad	equate
det Fo		For Yes, should also have ALL the following:	ad	equate
det Fo	tail? r Partial Yes (ALL the	For Yes, should also have ALL	_	equate Yes Partial Yes
det Fo	tail? r Partial Yes (ALL the lowing):	For Yes, should also have ALL the following: described population in	_	Yes
det Fo	tail? r Partial Yes (ALL the lowing): described populations	For Yes, should also have ALL the following: described population in detail described intervention in detail (including doses where		Yes Partial Yes
det Fo	r Partial Yes (ALL the lowing): described populations described interventions	For Yes, should also have ALL the following: described population in detail described intervention in detail (including doses where relevant) described comparator in detail (including doses where		Yes Partial Yes

For Partial Yes, must have assessed RoB from	For Yes, must also have assessed RoB from:	
$\ ^{\square}$ unconcealed allocation, and	allocation sequence that was not truly random, and	☐ Yes☐ Partial Yes
lack of blinding of patients and assessors when assessing outcomes (unnecessary for objective outcomes such as all-cause mortality)	selection of the reported result from among multiple measurements or analyses of a specified outcome	No Includes only NRSI
NRSI		
For Partial Yes, must have assessed RoB:	For Yes, must also have assessed RoB:	
$^{\square}$ from confounding, and	methods used to ascertain exposures and outcomes, and	☐ Yes ☐ Partial Yes
from selection bias	selection of the reported result from among multiple measurements or analyses of a specified outcome	□ No □ Includes only RCTs
10. Did the review authors restudies included in the review For Yes	-	ig for the
Must have reported on the s studies included in the review. I reviewers looked for this inform by study authors also qualifies		☐ Yes ☑ No

11. If meta-analysis was performed did the review authors use appropriate methods for statistical combination of results?

RCTs

For Yes:	
The authors justified combining the data in a meta-analysis	Yes
AND they used an appropriate weighted technique to combine study results and adjusted for heterogeneity if present.	No meta- analysis conducted
AND investigated the causes of any heterogeneity	conducted
For NRSI For Yes:	
$\ \square$ The authors justified combining the data in a meta-analysis	Yes
AND they used an appropriate weighted technique to combine study results, adjusting for heterogeneity if present	No meta- analysis
AND they statistically combined effect estimates from NRSI that were adjusted for confounding, rather than combining raw data, or justified combining raw data when adjusted effect estimates were not available	conducted
AND they reported separate summary estimates for RCTs and NRSI separately when both were included in the review	
12. If meta-analysis was performed, did the review autho potential impact of RoB in individual studies on the result analysis or other evidence synthesis? For Yes:	
E	Пу
□ included only low risk of bias RCTs □ OR, if the pooled estimate was based on RCTs and/or NRSI at variable RoB, the authors performed analyses to investigate possible impact of RoB on summary estimates of effect.	YesNoNo meta- analysis conducted

13. Did the review authors account for RoB in individual studies when interpreting/ discussing the results of the review?

For Yes:		
included only low risk of bias RCTs		Yes No
OR, if RCTs with moderate or high RoB, or NRSI were included the review provided a discussion of the likely impact of RoB on the results		
14. Did the review authors provide a satisfactory explana discussion of, any heterogeneity observed in the results of For Yes:		
There was no significant heterogeneity in the results	□	Yes No
OR if heterogeneity was present the authors performed an investigation of sources of any heterogeneity in the results and discussed the impact of this on the results of the review	i	
15. If they performed quantitative synthesis did the review carry out an adequate investigation of publication bias (sbias) and discuss its likely impact on the results of the results.	smal	l study
carry out an adequate investigation of publication bias (s	smal	l study
carry out an adequate investigation of publication bias (s bias) and discuss its likely impact on the results of the re	smal eviev	l study v?
carry out an adequate investigation of publication bias (sbias) and discuss its likely impact on the results of the reference. For Yes: performed graphical or statistical tests for publication bias and discussed the likelihood and magnitude of impact of	an col	Yes No No meta- alysis nducted

The authors described their funding sources and how they	✓ 、	Yes
managed potential conflicts of interest		No

	Prii	nter Frie	ndly Version
Article Name: Verberkt 2017			
1. Did the research questions include the components of P		or the re	eview
For Yes:	Optional (recommended)		
Population	☐ Timeframe for follow (up 🔽	Yes
Intervention			No
Comparator group			
Outcome			
for Partial Yes: The authors state that they had a written protocol or guide that included ALL the	For Yes: As for partial yes, plus th protocol should be registed and should also have	e	
following: review question(s)	specified: a meta-analysis/synth plan, if appropriate, and	nesis \Box	Yes Partial Yes
a search strategy	a plan for investigating causes of heterogeneity	g	No
inclusion/exclusion criteria	a plan for investigating causes of heterogeneity	g	
\square a risk of bias assessment			

3. Did the review authors explain their selection of the study designs for inclusion in the review?

□ Explanation for including on □ OR Explanation for including □ OR Explanation for including □	g only NRSI		Yes No
4. Did the review authors us strategy?	e a comprehensive literature	sea	rch
For Partial Yes (all the following):	For Yes, should also have (all the following):		
searched at least 2 databases (relevant to research question)	searched the reference lists / bibliographies of included studies	□□□	Yes Partial Yes No
provided key word and/or search strategy	searched trial/study registries		NO
justified publication restrictions (e.g. language)	included/consulted content experts in the field		
	where relevant, searched for grey literature		
	conducted search within 24 months of completion of the review		
5. Did the review authors pe For Yes, either ONE of the follo	rform study selection in dupli wing:	cat	e?
at least two reviewers indepeligible studies and achieved coinclude	pendently agreed on selection of onsensus on which studies to		Yes No
OR two reviewers selected a achieved good agreement (at le remainder selected by one revi			

	Pid the review authors per r Yes, either ONE of the follow	rform data extraction in dupli	ıcat	e?
		ved consensus on which data to		□ Yes ▼ No
		data from a sample of eligible ement (at least 80 percent), wit reviewer.	:h	
	Did the review authors pro e exclusions?	ovide a list of excluded studie	s a	nd justify
Fo	r Partial Yes:	For Yes, must also have:		
tha	provided a list of all tentially relevant studies at were read in full-text form t excluded from the review			Yes Partial Yes No
	Did the review authors des	scribe the included studies in	ad	equate
det		For Yes, should also have ALL the following:	ad	equate
det	t ail? r Partial Yes (ALL the	For Yes, should also have ALL	_	equate Yes Partial Yes
det	tail? r Partial Yes (ALL the lowing):	For Yes, should also have ALL the following: described population in		Yes
det	r Partial Yes (ALL the lowing): described populations	For Yes, should also have ALL the following: described population in detail described intervention in detail (including doses where		Yes Partial Yes
det	r Partial Yes (ALL the lowing): described populations described interventions	For Yes, should also have ALL the following: described population in detail described intervention in detail (including doses where relevant) described comparator in detail (including doses where		Yes Partial Yes

For Partial Yes, must have assessed RoB from	For Yes, must also have assessed RoB from:	
$\ \square$ unconcealed allocation, and	\Box allocation sequence that was not truly random, and	Yes Partial Yes
lack of blinding of patients and assessors when assessing outcomes (unnecessary for objective outcomes such as all-cause mortality)	selection of the reported result from among multiple measurements or analyses of a specified outcome	□ No □ Includes only NRSI
NRSI		
For Partial Yes, must have assessed RoB:	For Yes, must also have assessed RoB:	
\Box from confounding, and	methods used to ascertain exposures and outcomes, and	☐ Yes ☐ Partial Yes
from selection bias	selection of the reported result from among multiple measurements or analyses of a specified outcome	No Includes only RCTs
10. Did the review authors restudies included in the review	-	ng for the
Must have reported on the studies included in the review. I reviewers looked for this inform by study authors also qualifies		☐ Yes ☑ No
11. If meta-analysis was per	formed did the review author	's use

appropriate methods for statistical combination of results?
RCTs

For Yes:	
lacktriangledown The authors justified combining the data in a meta-analysis	▼ Yes
AND they used an appropriate weighted technique to combine study results and adjusted for heterogeneity if present.	No meta- analysis conducted
AND investigated the causes of any heterogeneity (der var ingen heterogenitet!)	conducted
For NRSI For Yes:	
$\hfill\Box$ The authors justified combining the data in a meta-analysis	Yes
$\hfill\Box$ AND they used an appropriate weighted technique to combine study results, adjusting for heterogeneity if present	No meta-
AND they statistically combined effect estimates from NRSI that were adjusted for confounding, rather than combining raw data, or justified combining raw data when adjusted effect estimates were not available	analysis conducted
AND they reported separate summary estimates for RCTs and NRSI separately when both were included in the review	
12. If meta-analysis was performed, did the review autho potential impact of RoB in individual studies on the result analysis or other evidence synthesis? For Yes:	
included only low risk of bias RCTs	▽ Yes
OR, if the pooled estimate was based on RCTs and/or NRSI at variable RoB, the authors performed analyses to investigate possible impact of RoB on summary estimates of effect.	No meta- analysis conducted

interpreting/ discussing the results of the review?		
For Yes:		
\square included only low risk of bias RCTs		Yes No
OR, if RCTs with moderate or high RoB, or NRSI were included the review provided a discussion of the likely impact of RoB on the results		
14. Did the review authors provide a satisfactory explana discussion of, any heterogeneity observed in the results of For Yes:		
There was no significant heterogeneity in the results		Yes No
OR if heterogeneity was present the authors performed an investigation of sources of any heterogeneity in the results and discussed the impact of this on the results of the review		
15. If they performed quantitative synthesis did the review carry out an adequate investigation of publication bias (sbias) and discuss its likely impact on the results of the reference. For Yes:	ma	ll study
performed graphical or statistical tests for publication bias and discussed the likelihood and magnitude of impact of publication bias	☑ □ an	Yes No No meta- alysis nducted
16. Did the review authors report any potential sources of interest, including any funding they received for conducting For Yes:		

13. Did the review authors account for RoB in individual studies when

\square The authors reported no competing interests OR	.	Yes
$\hfill\Box$ The authors described their funding sources and how they managed potential conflicts of interest		No

	P	rinter Frie	ndly Version
Article Name: Simon et al. 2016			
1. Did the research questions include the components of Pl		a for the r	eview
For Yes:	Optional (recommende	d)	
Population	☐ Timeframe for follow	w up	Yes
Intervention			No
Comparator group			
Outcome			
2. Did the report of the review review methods were establi did the report justify any signary Partial Yes:	shed prior to the cond nificant deviations fro For Yes:	duct of the om the pro	review and
	For Yes: As for partial yes, plus	the	tocor
that included ALL the following:	and should also have specified:		
review question(s)	a meta-analysis/syr plan, if appropriate, an		Yes Partial Yes
a search strategy	a plan for investigat causes of heterogeneity	_	No
\square inclusion/exclusion criteria	a plan for investigat causes of heterogeneity	_	
\Box a risk of bias assessment			

3. Did the review authors explain their selection of the study designs for inclusion in the review?

Explanation for including on OR Explanation for including OR Explanation for including	only NRSI	□ ▼	Yes No
For Partial Yes (all the following): searched at least 2 databases (relevant to research question) provided key word and/or search strategy justified publication restrictions (e.g. language)	For Yes, should also have (all the following): searched the reference lists / bibliographies of included studies searched trial/study registries included/consulted content experts in the field where relevant, searched for grey literature conducted search within 24 months of completion of the review		Yes Partial Yes No
For Yes, either ONE of the followard at least two reviewers indepeligible studies and achieved coinclude	pendently agreed on selection of onsensus on which studies to a sample of eligible studies and east 80 percent), with the	cat ☑	e? Yes No

			m data extraction in dupli	cat	e?
ext	tract from included studies OR two reviewers extracted udies and achieved good agre	ved dat	consensus on which data to a from a sample of eligible ent (at least 80 percent),		Yes No
7. I	th the remainder extracted by Did the review authors pro e exclusions?			s a	nd justify
	r Partial Yes:	Foi	Yes, must also have:		
tha	provided a list of all tentially relevant studies at were read in full-text form t excluded from the review	the	Justified the exclusion from e review of each potentially evant study		Yes Partial Yes No
	Did the review authors destail?	scri	be the included studies in	ad	equate
det Fo		Foi	be the included studies in Yes, should also have ALL following:	ad	equate
det Fo	r Partial Yes (ALL the	For the	Yes, should also have ALL		equate Yes Partial Yes
Foi foll	r Partial Yes (ALL the lowing):	For the det	Yes, should also have ALL following: described population in	V	Yes
Foi foll	r Partial Yes (ALL the lowing): described populations	For the det	Yes, should also have ALL following: described population in tail described intervention in tail (including doses where	V	Yes Partial Yes
Foi foll	r Partial Yes (ALL the lowing): described populations described interventions	For the det	Yes, should also have ALL e following: described population in tail described intervention in tail (including doses where evant) described comparator in tail (including doses where	V	Yes Partial Yes

For Partial Yes, must have assessed RoB from	For Yes, must also have assessed RoB from:			
\square unconcealed allocation, and	allocation sequence that was not truly random, and	☐ Yes ✓ Partial Yes		
lack of blinding of patients and assessors when assessing outcomes (unnecessary for objective outcomes such as all-cause mortality)	selection of the reported result from among multiple measurements or analyses of a specified outcome	□ No □ Includes only NRSI		
NRSI				
For Partial Yes, must have assessed RoB:	For Yes, must also have assessed RoB:			
\Box from confounding, and	methods used to ascertain exposures and outcomes, and	☐ Yes ☐ Partial Yes		
from selection bias	selection of the reported result from among multiple measurements or analyses of a specified outcome	□ No □ Includes only RCTs		
10. Did the review authors report on the sources of funding for the studies included in the review? For Yes				
Must have reported on the s studies included in the review. I reviewers looked for this inform by study authors also qualifies	☐ Yes ☑ No			

11. If meta-analysis was performed did the review authors use appropriate methods for statistical combination of results? RCTs

For Yes:					
$\ \ \square$ The authors justified combining the data in a meta-analysis	Yes				
AND they used an appropriate weighted technique to combine study results and adjusted for heterogeneity if present.	No meta- analysis conducted				
\square AND investigated the causes of any heterogeneity	conducted				
For NRSI For Yes:					
$\ \ \square$ The authors justified combining the data in a meta-analysis	Yes				
AND they used an appropriate weighted technique to combine study results, adjusting for heterogeneity if present	No meta- analysis				
$\hfill\Box$ AND they statistically combined effect estimates from NRSI that were adjusted for confounding, rather than combining raw data, or justified combining raw data when adjusted effect estimates were not available	conducted				
$\hfill\Box$ AND they reported separate summary estimates for RCTs and NRSI separately when both were included in the review					
12. If meta-analysis was performed, did the review authors assess the potential impact of RoB in individual studies on the results of the meta-analysis or other evidence synthesis? For Yes:					
included only low risk of bias RCTs	✓ Yes				
OR, if the pooled estimate was based on RCTs and/or NRSI at variable RoB, the authors performed analyses to investigate possible impact of RoB on summary estimates of effect.	No No meta- analysis conducted				

13. Did the review authors account for RoB in individual studies when interpreting/ discussing the results of the review?

For Yes:	
included only low risk of bias RCTs	□ Yes ☑ No
OR, if RCTs with moderate or high RoB, or NRSI were included the review provided a discussion of the likely impact of RoB on the results	
14. Did the review authors provide a satisfactory explana discussion of, any heterogeneity observed in the results of For Yes:	
\square There was no significant heterogeneity in the results	▼ Yes □ No
OR if heterogeneity was present the authors performed an investigation of sources of any heterogeneity in the results and discussed the impact of this on the results of the review	d
1F If they newformed acceptitative combined and the varie	_
15. If they performed quantitative synthesis did the reviece carry out an adequate investigation of publication bias (sbias) and discuss its likely impact on the results of the results.	small study
carry out an adequate investigation of publication bias (s	small study
carry out an adequate investigation of publication bias (s bias) and discuss its likely impact on the results of the re	small study
carry out an adequate investigation of publication bias (sbias) and discuss its likely impact on the results of the reference. For Yes: performed graphical or statistical tests for publication bias and discussed the likelihood and magnitude of impact of	Yes No No meta- analysis conducted of conflict of

The authors described their funding sources and how they	V	Yes
managed potential conflicts of interest		No