

## Supplemental Appendix 1: MOOSE Checklist

From: Stroup DF, Berlin JA, Morton SC, et al. Meta-analysis of observational studies in epidemiology: a proposal for reporting. *JAMA*. 2000;283(15):2008–2012.

	Reported on page	Comments
<b>Reporting of background should include</b>		
Problem definition	4	
Hypothesis statement	4	
Description of study outcome(s)	4-5, 7	
Type of exposure or intervention used	6	
Type of study designs used	8-9	
Study population	5	
<b>Reporting of search strategy should include</b>		
Qualifications of searchers (e.g. librarians and investigators)	8	
Search strategy, including time period used in the synthesis and key words	8-9	
Effort to include all available studies, including contact with authors	N/A	
Databases and registries searched	8	
Search software used, name and version, including special features used (e.g. explosion)	8	
Use of hand searching (e.g. reference lists of obtained articles)	8	
List of citations located and those excluded, including justification	Figure 1	
Method of addressing articles published in languages other than English	9	
Method of handling abstracts and unpublished studies	N/A	
Description of any contact with authors	N/A	
<b>Reporting of methods should include</b>		
Description of relevance or appropriateness of studies assembled for assessing the hypothesis to be tested	8-9	
Rationale for the selection and coding of data (e.g. sound clinical principles or convenience)	8-9	
Documentation of how data were classified and coded	8-9	

(e.g. multiple raters, blinding and interrater reliability)		
Assessment of confounding (e.g. comparability of cases and controls in studies where appropriate)	N/A	
Assessment of study quality, including blinding of quality assessors, stratification or regression on possible predictors of study results	N/A	
Assessment of heterogeneity	9	
Description of statistical methods (e.g. complete description of fixed or random effects models, justification of whether the chosen models account for predictors of study results, dose-response models, or cumulative meta-analysis) in sufficient detail to be replicated	9	
Provision of appropriate tables and graphics	Figures 1-3	
<b>Reporting of results should include</b>		
Graphic summarizing individual study estimates and overall estimate	Figures 2-3	
Table giving descriptive information for each study included	Table 3	
Results of sensitivity testing (e.g. subgroup analysis)	11-12, Figure 3	
Indication of statistical uncertainty of findings	Figures 2-3	
<b>Reporting of discussion should include</b>		
Quantitative assessment of bias (e.g. publication bias)	11	
Justification for exclusion (e.g. exclusion of non-English language citations)	11	
Assessment of quality of included studies	11	
<b>Reporting of conclusions should include</b>		
Consideration of alternative explanations for observed results	12-13	
Generalization of the conclusions (i.e. appropriate for the data presented and within the domain of the literature review)	14-15	
Guidelines for future research	16-17	
Disclosure of funding source	N/A	No funding source

**Supplemental Appendix 2: Literature Search Strategy for Database: Ovid MEDLINE,  
Cochrane Database of Systematic Reviews and Cochrane Central Register of Controlled**

**Trials:**

1. exp diabetes mellitus/
2. new-onset diabetes.mp
3. post-transplant diabetes.mp
4. diabetes mellitus.mp
5. 1 or 2 or 3 or 4
6. exp transplantation/
7. transplantation\$.mp
8. 6 or 7
9. organ\$.mp
10. kidney\$.mp
11. renal\$.mp
12. 9 or 10 or 11
13. 8 and 12
14. 5 and 13
15. exp Polycystic Kidney/
16. Polycystic Kidney\$.mp
17. exp Polycystic Kidney Diseases/
18. polycystic kidney disease\$.mp
19. ADPKD\$.mp
20. PKD\$.mp
21. 15 or 16 or 17 or 18 or 19 or 20

22. 14 and 21