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.

| Reporting of background should include | Reported on page | Comments |
|----------------------------------------|-----------------|----------|
| 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               |          |

| Reporting of search strategy should include | Reported on page | Comments |
|-----------------------------------------------|-----------------|----------|
| 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| Method of handling abstracts and unpublished studies | N/A |          |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 |          |

| Reporting of methods should include | Reported on page | Comments |
|-------------------------------------|-----------------|----------|
| 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 |          |
| 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 |

**Reporting of results should include**

- 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 |

**Reporting of discussion should include**

- 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 |

**Reporting of conclusions should include**

- 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:

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