PRISMA 2020 Checklist

Section/topic	Item No	Checklist item	Reported on Page Number/Line Number	Reported on Section/Paragraph
TITLE				
Title	1	Identify the report as a systematic review.	Page 1/Line 3-4	Title
ABSTRACT				
Abstract	2	See the PRISMA 2020 for Abstracts checklist (Table 2).	Page 3-4/Line 34-63	Abstract
INTRODUCTION				
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Page 6/Line 72-77	Introduction 1/Paragraph 1
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Page 6/Line 77-85	Introduction 1/Paragraph 1
METHODS				
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Page 7-8/Line 106-120	Methods/Literature searches
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	Page 7/Line 94-96	Methods/Search strategy
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Page 7/Line 100	Methods/Search strategy
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	Page 8/Line 123-127	Methods/Study selection and definitions
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	Page 8/Line 130-133	Methods/Data extraction
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	Page 8/Line 134-143	Methods/Data extraction
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	Page 8/Line 134-143	Methods/Data extraction

Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	Page 9/Line 146-151	Methods/Validity assessment
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	Page 9/Line 155-157	Methods/Statistical analysis
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis.	Page 9-10/Line 157-160	Methods/Statistical analysis
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	Page 10/Line 163-166	Methods/Statistical analysis
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Page 9/Line 154-155	Methods/Statistical analysis
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	Page 9-10/Line 154-163	Methods/Statistical analysis
	13e	Describe any methods used to explore possible causes of heterogeneity among study results.	Page 9/Line 157-158	Methods/Statistical analysis
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	Page 10/Line 161-163	Methods/Statistical analysis
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	Page 10/Line 160-161	Methods/Statistical analysis
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	Page 9-10/Line 155-156	Methods/Statistical analysis
RESULTS				
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	Page 10/Line 171-176	Results/Search process
	16b	Cite studies that met many but not all inclusion criteria ('near-misses') and explain why they were excluded.	Page 10/Line 171-176	Results/Search process
Study characteristics	17	Cite each included study and present its characteristics.	Page 10-11/Line 179-192	Results/Quality assessment of studies included in the meta-analysis-Study baseline data
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Page 10/Line 179-181	Results/Quality assessment of studies included in the meta-analysis
Results of individual studies	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots.	Page 11-14/Line 195-264	Results/Preoperative indicators-Graft survival rate

Results of synthesis	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Page 11-14/Line 195-264	Results/Preoperative indicators-Graft survival rate
	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	Page 11-14/Line 195-264	Results/Preoperative indicators-Graft survival rate
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Page 15-16/Line 275-309	Results/Sensitivity analysis-Subgroup analysis
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Page 15/Line 275-285	Results/Sensitivity analysis
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Page 15/Line 275-285	Results/Sensitivity analysis
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Page 11-14/Line 195-264	Results/Preoperative indicators-Graft survival rate
DISCUSSION				
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Page 17-19/Line 322-371	Discussion/Explanations of findings
	23b	Discuss any limitations of the evidence included in the review.	Page 19-20/Line 374-382	Discussion/Strengths and limitations
	23c	Discuss any limitations of the review processes used.	Page 19-20/Line 374-382	Discussion/Strengths and limitations
	23d	Discuss implications of the results for practice, policy, and future research.	Page 20/Line 386-393	Conclusions
OTHER INFORMATION				
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	Page 21/Line 400	Footnote
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Page 21/Line 401	Footnote
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	Page 21/Line 400-406	Footnote
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Page 20/Line 396-397	Acknowledgements
Competing interests	26	Declare any competing interests of review authors.	Page 21/Line 402-403	Footnote
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	NA	NA

Table 2 PRISMA 2020 for Abstracts checklist

Section/topic	Item No	Checklist item	Reported on Page Number/Line Number	Reported on Section/Paragraph
TITLE				
Title	1	Identify the report as a systematic review.	Page 3/Line 31-32	Title
BACKGROUND				
Objectives	2	Provide an explicit statement of the main objective(s) or question(s) the review addresses.	Page 3/Line 34-37	Abstract/Background
METHODS				
Eligibility criteria	3	Specify the inclusion and exclusion criteria for the review.	Due to word limit, refer to the methods section	Due to word limit, refer to the methods section
Information sources	4	Specify the information sources (e.g. databases, registers) used to identify studies and the date when each was last searched.	Page 3/Line 38-39	Abstract/Methods
Risk of bias	5	Specify the methods used to assess risk of bias in the included studies.	Page 3/Line 40	Abstract/Methods
Synthesis of results	6	Specify the methods used to present and synthesize results.	Page 3/Line 39-41	Abstract/Methods
RESULTS				
Included studies	7	Give the total number of included studies and participants and summarise relevant characteristics of studies.	Page 3/Line 42-43	Abstract/Results
Synthesis of results	8	Present results for main outcomes, preferably indicating the number of included studies and participants for each. If meta-analysis was done, report the summary estimate and confidence/credible interval. If comparing groups, indicate the direction of the effect (i.e. which group is favoured).	Page 3-4/Line 43-57	Abstract/Results
DISCUSSION				
Limitations of evidence	9	Provide a brief summary of the limitations of the evidence included in the review (e.g. study risk of bias, inconsistency and imprecision).	Page 4/Line 58-63	Abstract/Conclusion
Interpretation	10	Provide a general interpretation of the results and important implications.	Page 4/Line 58-63	Abstract/Conclusion
OTHER				
Funding	11	Specify the primary source of funding for the review.	Due to word limit, refer to the acknowledgements section	Due to word limit, refer to the acknowledgements section
Registration	12	Provide the register name and registration number.	Due to word limit, refer to the acknowledgements section	Due to word limit, refer to the acknowledgements section

*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.

Updated on September 21, 2020