PRISMA 2020 CHECKLIST

Association between lymphatic filariasis and diabetes mellitus: A systematic review and narrative synthesis

Manuscript assessed: LF_DM_SystematicReview_BNRC_CLEAN(1).docx
Assessment: PRISMA 2020 checklist completed against the manuscript content. 'N/A' is used where a checklist item is not applicable to this narrative-only synthesis.

Section / item	PRISMA 2020 checklist item	Location where reported	Assessment
TITLE 1	Identify the report as a systematic review.	Title, p. 1	Yes
ABSTRACT 2	See the PRISMA 2020 for Abstracts checklist.	Abstract, pp. 3-4; objective could be stated more explicitly and participant totals are not reported.	Partial
INTRODUCTION 3	Describe the rationale for the review in the context of existing knowledge.	Introduction, pp. 5-8	Yes
INTRODUCTION 4	Provide an explicit statement of the objective(s) or question(s).	Introduction, p. 8	Yes
METHODS 5	Specify inclusion/exclusion criteria and how studies were grouped for syntheses.	Methods 3.2, pp. 9-10; Methods 3.8, p. 12	Yes
METHODS 6	Specify all databases, registers, websites, organisations, reference lists and other sources searched.	Methods 3.3, p. 10	Yes
METHODS 7	Present the full search strategies, including filters and limits.	S2 Appendix; Methods 3.3, p. 10	Yes
METHODS 8	Specify study-selection methods, number of reviewers and independence.	Methods 3.4, p. 10	Yes
METHODS 9	Specify data-collection methods, number of reviewers and disagreement resolution.	Methods 3.5, p. 11	Yes
METHODS 10	List and define all outcomes and other variables for which data were sought, including handling/assumptions where relevant.	Methods 3.2.4, pp. 9-10; Methods 3.5, p. 11. Outcomes and variables are defined; missing/unclear-data assumptions are not described in detail.	Partial
METHODS 11	Specify risk-of-bias methods, tools, reviewer numbers/independence and disagreement resolution.	Methods 3.6, p. 11	Yes
METHODS 12	Specify effect measure(s) used in synthesis/presentation.	No quantitative synthesis or pooled effect measure was performed; Methods 3.8, p. 12.	N/A
METHODS 13	Describe methods used to decide which studies contributed to each synthesis, prepare data, display results, synthesize findings, explore heterogeneity and conduct sensitivity analyses.	Methods 3.8, p. 12. Narrative synthesis and qualitative comparison are described; no formal heterogeneity or sensitivity analyses were conducted.	Partial
METHODS 14	Describe methods used to assess risk of bias due to missing results/reporting biases.	Methods 3.7, p. 11; Results 4.3-4.4.	Yes
METHODS 15	Describe methods used to assess certainty/confidence in the body of evidence.	Methods 3.7, pp. 11-12.	Yes
RESULTS 16a	Describe the results of the search and selection process, ideally using a flow diagram.	Results 4.1, p. 12; Fig. 1, p. 13.	Yes
RESULTS 16b	Cite studies that might appear to meet the inclusion criteria but were excluded, and explain why they were excluded.	Seven reports reached full-text assessment and all seven met the predefined eligibility criteria; therefore no full-text eligible-looking studies were excluded. Results 4.1.	N/A
RESULTS 17	Cite each included study and present its characteristics.	Results 4.2, pp. 14-16; Table 1.	Yes
RESULTS 18	Present risk-of-bias assessments for each included study.	Results 4.3, p. 17; Table 2.	Yes
RESULTS 19	For all outcomes, present study-level summary statistics and effect estimates/precision where appropriate.	Results 4.5, pp. 19-24; Tables 1, 4 and 5. Narrative study-level findings are presented, but effect estimates/precision are not available or reported consistently across all outcomes.	Partial
RESULTS 20a	For each synthesis, briefly summarise characteristics and risk of bias among contributing studies.	Results 4.2-4.4, pp. 14-19; Tables 1-3.	Yes
RESULTS 20b	Present results of all statistical syntheses conducted.	No statistical synthesis was conducted; Methods 3.8.	N/A
RESULTS 20c	Present results of investigations of possible causes of heterogeneity.	No formal heterogeneity investigation was conducted; heterogeneity is discussed qualitatively.	N/A
RESULTS 20d	Present results of sensitivity analyses.	No sensitivity analysis was conducted because there was no quantitative synthesis.	N/A

RESULTS 21	Present assessments of risk of bias due to missing results for each synthesis assessed.	Results 4.3-4.4, pp. 17-19; Table 3. Formal publication-bias testing was not performed because only seven studies were included.	Partial
RESULTS 22	Present assessments of certainty/confidence in the body of evidence for each outcome assessed.	Results 4.4, pp. 18-19; Table 3.	Yes
DISCUSSION 23a	Provide a general interpretation of the results in the context of other evidence.	Discussion 5.1-5.5, pp. 22-30.	Yes
DISCUSSION 23b	Discuss limitations of the evidence included in the review.	Discussion 5.4, pp. 28-29.	Yes
DISCUSSION 23c	Discuss limitations of the review processes used.	Discussion 5.4, pp. 28-29.	Yes
DISCUSSION 23d	Discuss implications of the results for practice, policy and future research.	Discussion 5.5, pp. 29-30.	Yes
OTHER INFORMATION 24a	Provide registration information for the review.	Methods 3.1, p. 8; PROSPERO CRD420261331823.	Yes
OTHER INFORMATION 24b	Indicate where the review protocol can be accessed.	Methods 3.1, p. 8; S3 Appendix.	Yes
OTHER INFORMATION 24c	Describe and explain amendments to registration/protocol.	Methods 3.1, p. 8; amendment explaining why quantitative meta-analysis was not performed.	Yes
OTHER INFORMATION 25	Describe financial/non-financial support and funder role.	Declarations, p. 31.	Yes
OTHER INFORMATION 26	Declare competing interests.	Declarations, p. 31.	Yes
OTHER INFORMATION 27	Report which data, code and other materials are publicly available and where they can be found.	Declarations, p. 31; Supporting information, p. 37. Extracted/analysed data are available from the corresponding author on reasonable request; no public repository is specified.	Partial

Official PRISMA source: PRISMA 2020 Checklist, PRISMA Statement.