

Online Resource 1. PRISMA 2020 Checklist

Article title: Incidence of Hypertrophic Scarring After Non-Burn Surgery in Children: A Systematic Review and Meta-analysis

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Caption: Completed PRISMA 2020 checklist for the systematic review of hypertrophic scar formation following pediatric non-burn surgery.

Item	Checklist item	Location in manuscript	Notes
1	Title identifies the report as a systematic review.	Title page, p. 1	Title states systematic review and meta-analysis.
2	Abstract includes structured summary elements appropriate for a review article.	Abstract, p. 2	Unstructured abstract includes background, objective, methods, results, and implications.
3	Describe rationale for the review.	Introduction, pp. 2-3	Rationale explains fragmented pediatric scar-incidence evidence.
4	State objectives or questions.	Introduction, p. 3; Methods, p. 3	Review question specifies pediatric non-burn surgery and anatomical site.
5	Specify eligibility criteria.	Methods, p. 3	Population, design, intervention, and outcome criteria are described.
6	Specify information sources.	Methods, p. 3; Online Resource 2	PubMed/MEDLINE search and reference-list searching are described.
7	Present full search strategies.	Online Resource 2	Exact PubMed string, date, restrictions, and record count are provided.
8	Specify selection process.	Methods, p. 3; Results, pp. 4-5	Two-reviewer screening and consensus process are stated.
9	Specify data collection process.	Methods, pp. 3-4; Online Resource 4	Two-reviewer extraction and variables are described.
10a	List and define all outcomes sought.	Methods, pp. 3-4	Primary outcome was hypertrophic scar incidence.
10b	List and define all other variables sought.	Methods, p. 4; Online Resource 4	Study design, denominator, follow-up, site, and risk-of-bias variables are extracted.
11	Specify study risk-of-bias assessment methods.	Methods, p. 4; Online Resource 5	Incidence-focused appraisal domains are described.
12	Specify effect measures.	Methods, p. 4	Incidence proportions and 95% confidence intervals are reported.
13a	Describe eligibility for each synthesis.	Methods, p. 4; Results, p. 4	Strict numerator-denominator studies were pooled.
13b	Describe methods to prepare data for synthesis.	Methods, p. 4; Online Resource 6	Events and denominators were converted to proportions.
13c	Describe tabulation and visual display methods.	Results, pp. 5-10	Tables, forest plot, funnel plot, and risk-of-bias chart are presented.
13d	Describe synthesis methods.	Methods, p. 4; Online Resource 6	Random-effects logit-proportion model and heterogeneity metrics are described.
13e	Describe exploration of heterogeneity.	Results, pp. 7-9; Discussion, pp. 10-12	Site-stratified incidence and funnel plot are reported.
13f	Describe sensitivity analyses.	Online Resource 6	Reproducibility code includes small-study, high-risk, and zero-event sensitivity code blocks.
14	Describe assessment of reporting biases.	Results, pp. 8-9	Funnel plot is described as exploratory because incidence studies are clinically heterogeneous.
15	Describe certainty assessment methods.	Not formally assessed	GRADE certainty was not applied because this was an incidence synthesis across heterogeneous observational studies.
16a	Report numbers screened, assessed, and included.	Results, pp. 4-5; Figure 1	Flow diagram and text report 170 records, 57 excluded, 20 priority, 14 included.
16b	Cite studies that appeared to meet criteria but were excluded.	Results, p. 5; Online Resource 3	Excluded full-text studies and reasons are listed.
17	Cite each included study and present characteristics.	Results, pp. 5-7; Table 1; Online Resource 4	Fourteen included studies are summarized.

Item	Checklist item	Location in manuscript	Notes
18	Present risk of bias in included studies.	Results, pp. 9-10; Figure 4; Online Resource 5	Domain judgments and detailed rationale are supplied.
19	Present results of individual studies.	Results, pp. 7-8; Figure 2; Online Resource 4	Study-level incidence and 95% CI are reported.
20a	Summarize characteristics and risk of bias for each synthesis.	Results, pp. 5-10	Strict quantitative synthesis characteristics are described.
20b	Present results of all statistical syntheses.	Results, pp. 7-9; Online Resource 6	Crude and random-effects incidence plus heterogeneity are reported.
20c	Present investigation of heterogeneity.	Results, pp. 7-9; Table 2; Figure 3	Site-stratified incidence and exploratory funnel plot are reported.
20d	Present sensitivity analyses.	Online Resource 6	Sensitivity-analysis code is included for reproducibility.
21	Present assessments of reporting biases.	Results, pp. 8-9; Figure 3	Exploratory funnel plot is presented with limitations.
22	Present certainty assessment results.	Not formally assessed	No formal GRADE certainty ratings were assigned.
23a	Interpret results in context.	Discussion, pp. 10-12	Clinical and methodological interpretation is provided.
23b	Discuss limitations of evidence.	Discussion, pp. 11-12	Retrospective designs, denominator variation, and follow-up inconsistency are noted.
23c	Discuss limitations of review processes.	Discussion, pp. 11-12	Heterogeneity and denominator differences are noted.
23d	Discuss implications.	Discussion, pp. 11-12; Conclusion, p. 12	Counseling and future reporting implications are described.
24a	Provide registration information.	Methods, p. 3	The protocol was not prospectively registered.
24b	Indicate where protocol can be accessed.	Not applicable	No prospective registry record is available.
24c	Describe protocol amendments.	Not applicable	No registered protocol amendments.
25	Describe sources of support.	Declarations, p. 12	No funding was received.
26	Declare competing interests.	Declarations, p. 12	No relevant interests declared.
27	Report availability of data, code, and other materials.	Declarations, p. 12; Online Resources 4 and 6	Extraction dataset and analysis files are provided.