

CADTH Reference List

Labiaplasty for Adults With Labia Minora Hypertrophy

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Key Messages

- One non-randomized study was identified about the clinical effectiveness of labiaplasty for the treatment of adults with labia minora hypertrophy.
- No evidence was identified about the cost-effectiveness of labiaplasty for the treatment of adults with labia minora hypertrophy.

Research Questions

1. What is the clinical effectiveness of labiaplasty for the treatment of adults with labia minora hypertrophy?
2. What is the cost-effectiveness of labiaplasty for the treatment of adults with labia minora hypertrophy?

Methods

Literature Search Methods

A limited literature search was conducted by an information specialist on key resources including MEDLINE, PsycInfo, the Cochrane Database of Systematic Reviews, the international HTA database, the websites of Canadian and major international health technology agencies, as well as a focused internet search. The search strategy comprised both controlled vocabulary, such as the National Library of Medicine's MeSH (Medical Subject Headings), and keywords. The main search concept was labiaplasty with an additional search using concepts for vulva and hypertrophy and surgical procedures. The search was completed on April 12, 2022 and limited to English-language documents published since January 1, 2017. Internet links were provided, where available.

Selection Criteria and Summary Methods

One reviewer screened literature search results (titles and abstracts) and selected publications according to the inclusion criteria presented in [Table 1](#). Full texts of study publications were not reviewed. The Overall Summary of Findings was based on information available in the abstracts of selected publications.

Results

One non-randomized study¹ was identified regarding the clinical effectiveness of labiaplasty for the treatment of adults with labia minora hypertrophy. No relevant health technology assessments, systematic reviews, randomized controlled trials, or economic evaluations were identified.

Table 1: Selection Criteria

Criteria	Description
Population	Adults (aged 18 years or older) with labia minora hypertrophy
Intervention	Labiaplasty
Comparator	No treatment with labiaplasty
Outcomes	Q1: Clinical effectiveness (e.g., quality of life, overall well-being, psychological symptoms [e.g., depression, anxiety], physical function, safety [e.g., adverse events]) Q2: Cost-effectiveness (e.g., cost per quality-adjusted life-year gained)
Study designs	Health technology assessments, systematic reviews, randomized controlled trials, non-randomized studies, economic evaluations

Additional references of potential interest that did not meet the inclusion criteria are provided in [Appendix 1](#).

Overall Summary of Findings

One non-randomized study¹ was identified regarding the clinical effectiveness of labiaplasty for the treatment of adults with labia minora hypertrophy. Authors of the before-and-after study found that patients scored significantly higher on all 6 domains of the Female Sexual Function Index and significantly lower on the Beck Depression Inventory following the labiaplasty.¹

No relevant literature was found regarding cost-effectiveness of labiaplasty for the treatment of adults with labia minora hypertrophy; therefore, no summary can be provided.

References

Health Technology Assessments

No literature identified.

Systematic Reviews

No literature identified.

Randomized Controlled Trials

No literature identified.

Non-Randomized Studies

1. Aker SS, Eser AĞ. Effect of labiaplasty on women's sexual and psychological life. *J Surg Med.* 2021;5(3):260-3.

Economic Evaluations

No literature identified.

Appendix 1: References of Potential Interest

Systematic Reviews

Mixed Intervention – Various Procedures

2. Sharp G, Maynard P, Hudaib AR, et al. Do genital cosmetic procedures improve women's self-esteem? A systematic review and meta-analysis. *Aesthet Surg J.* 2020;40(10):1143-1151. [PubMed](#)

Mixed Population (Ages 10 to 72 With Various Indications); Mixed Intervention (Additional Procedures)

3. Escandón JM, Bateman DD, Bustos VP, et al. Safe labia minoroplasty: a systematic review and meta-analysis of the surgical management for labia minora hypertrophy. *Plast Reconstr Surg Glob Open.* 2021;9(10S):4.

Non-Randomized Studies

Mixed Population – Under and Over 18 Years of Age

4. Sorice-Virk S, Li AY, Canales FL, Furnas HJ. Comparison of patient symptomatology before and after labiaplasty. *Plast Reconstr Surg.* 2020;146(3):526-536. [PubMed](#)

Unclear Population – Labia Minora Hypertrophy Not Specified

5. Sharp G, Tiggemann M, Mattiske J. A retrospective study of the psychological outcomes of labiaplasty. *Aesthet Surg.* 2017;37(3):324-331. [PubMed](#)

Review Articles

6. Gulia C, Zangari A, Briganti V, Bateni ZH, Porrello A, Piergentili R. Labia minora hypertrophy: causes, impact on women's health, and treatment options. *Int Urogynecol J.* 2017;28(10):1453-1461. [PubMed](#)