

CADTH RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS

Antibiotics for Epiglottitis: Guidelines

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Research Question

What are the evidence-based guidelines regarding the use of antibiotics for epiglottitis?

Key Findings

No relevant evidence-based guidelines were identified regarding the use of antibiotics for epiglottitis.

Methods

A limited literature search was conducted by an information specialist on key resources including PubMed, the Cochrane Library, the University of York Centre for Reviews and Dissemination (CRD) databases, the websites of Canadian and major international health technology agencies, as well as a focused internet search. The search strategy was comprised of both controlled vocabulary, such as the National Library of Medicine's MeSH (Medical Subject Headings), and keywords. The main search concepts were epiglottitis and antibiotics. No filters were applied to limit the search by study type. The search was also limited to English language documents published between January 1, 2015 and April 13, 2020. Internet links are provided where available.

Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

Table 1: Selection Criteria

Population	Patients of any age with epiglottitis
Intervention	Antibiotics
Comparator	Not applicable
Outcomes	Recommendations regarding antibiotic treatment for epiglottitis
Study Designs	Evidence-based guidelines

Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Normally, health technology assessment reports and systematic reviews, are presented first; however, in reports where guidelines are primarily sought, the aforementioned evidence types are presented in the appendix.

No relevant evidence-based guidelines were identified regarding the use of antibiotics for epiglottitis.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant literature was found regarding the use of antibiotics for epiglottitis; therefore no summary can be provided.

References Summarized

Guidelines and Recommendations

No literature identified.

Appendix — Further Information

Clinical Practice Guidelines – Methodology Not Specified

1. Queensland Children’s Health. Respiratory infections: tracheitis/ epiglottitis; 2020 Apr. <https://www.childrens.health.qld.gov.au/chq/health-professionals/antimicrobial-stewardship/guidelines/respiratory-infections/>
See: *Tracheitis/Epiglottitis*
2. The Royal Children’s Hospital Melbourne. Sore throat (*clinical practice guideline*); 2019 May. https://www.rch.org.au/clinicalguide/guideline_index/Sore_throat/
See: *Epiglottitis/Bacterial Tracheitis*
3. Ear Nose and Throat (ENT) infections: antibiotic guidelines. (*Clinical guideline issue 4*). Salford (GB): NHS Salford Royal; 2018 Jan. [https://www.srft.nhs.uk/EasysiteWeb/getresource.axd?AssetID=21768&type=full&servicetype=Inline&filename=/144TD\(C\)25\(E3\) - Issue No 4 - Ear Nose and Throat \(ENT\) Infections Antibiotic Guidelines.pdf](https://www.srft.nhs.uk/EasysiteWeb/getresource.axd?AssetID=21768&type=full&servicetype=Inline&filename=/144TD(C)25(E3) - Issue No 4 - Ear Nose and Throat (ENT) Infections Antibiotic Guidelines.pdf)
See: *Epiglottitis, Table Throat and Neck Infection, page 7*
4. South Central Antimicrobial Network. Ear, nose and throat infections – acute sore throat. Basingstoke (GB): NHS North Hampshire; 2018. <https://www.oxfordshireccg.nhs.uk/professional-resources/documents/clinical-guidelines/infectious-diseases/oxfordshire-antimicrobial-adult-guidelines-primary-care-january-2016.pdf>
See: *Ears, Nose, and Throat Infection – Acute Sore Throat, page 13*

Additional References

5. Guerra AM, Waseem M. Epiglottitis. *StatPearls*; Treasure Island (FL): StatPearls Publishing; 2020 Jan. <https://www.ncbi.nlm.nih.gov/books/NBK430960/>
6. ‘Alert’ antimicrobial guidance for adult patients. Dundee (GB): NHS Tayside; 2019 Jun. <https://www.nhstaysideadtc.scot.nhs.uk/Antibiotic%20site/pdf%20docs/Alert%20Antibiotic%20Guideliines.pdf>
See: *Ceftriaxone, page 3*
7. Davies I, Jenkins I. Paediatric airway infections. *BJA Educ.* 2017 Oct;17(10):341-345. [https://bjaed.org/article/S2058-5349\(17\)30164-6/fulltext#cesec120](https://bjaed.org/article/S2058-5349(17)30164-6/fulltext#cesec120)