# Evidence Search Service Results of your search request

## Steroids for asthma exacerbations in children with Covid-19

**ID of request:** 22765  
**Date of request:** 14th April, 2020  
**Date of completion:** 17th April, 2020

If you would like to request any articles or any further help, please contact:  Igor Brbre at [igor.brbre@nhs.net](mailto:igor.brbre@nhs.net)

Please acknowledge this work in any resulting paper or presentation as: Evidence search: Steroids for asthma exacerbations in children with Covid-19. Igor Brbre. (17th April, 2020). BRIGHTON, UK: Brighton and Sussex Library and Knowledge Service.

**Sources searched**  
DynaMed (1)  
EMBASE (0)  
Google Scholar (0)  
MEDLINE (0)  
NICE Evidence Search (1)  
PubMed (0)  
UpToDate (2)  
medRxiv (0)

**Date range used** (5 years, 10 years): 20191201-20200501   
**Limits used** (gender, article/study type, etc.): none   
**Search terms and notes** (full search strategy for database searches below):

Relevant natural language and controlled vocabulary terms were identified, selected and combined. Search strategies were adapted to the search facilities of the medical information resources used. Medline and Embase searched via HDAS. Results were reviewed for relevance. Full search strategy below.

For more information about the resources please go to: <https://www.bsuh.nhs.uk/library/>.

## Summary of Results

No relevant articles on the topic were found.

## Contents

[A. Synopses or Summaries](#Content2)

DynaMed

[COVID-19 (Novel Coronavirus) - Use of corticosteroids](#Research626004)

National Institute for Health and Care Excellence (NICE)

[COVID-19 rapid guideline: severe asthma [NG166]](#Research626003)

UpToDate

[An overview of asthma management - ADVICE RELATED TO COVID-19 PANDEMIC](#Research625916)

[Coronavirus disease 2019 (COVID-19): Questions and answers - Should patients using inhaled glucocorticoids for asthma or COPD be advised to stop these medications to prevent COVID-19?](#Research626001)

### [B. Search History](#SearchHistory)

## A. Synopses or Summaries

#### DynaMed

**COVID-19 (Novel Coronavirus) - Use of corticosteroids** (2020)

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=e7db66cc01652c26603a2140c83682f7)

#### National Institute for Health and Care Excellence (NICE)

**COVID-19 rapid guideline: severe asthma [NG166]** (2020)

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=cdce49f96d11f7409e5a4e92bfd06d01)

3.10 ... patients who develop symptoms and signs of an asthma exacerbation, should follow their personalised asthma action plan and start a course of oral corticosteroids if clinically indicated.

#### UpToDate

**An overview of asthma management - ADVICE RELATED TO COVID-19 PANDEMIC** (2020)

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=17cc5a0aa5232fcf1e06d758d534602d)

... all regular medications necessary to maintain asthma control, including inhaled glucocorticoids, oral glucocorticoids, and biologic agents (eg, omalizumab, mepolizumab), should be continued during the COVID-19 pandemic ...

**Coronavirus disease 2019 (COVID-19): Questions and answers - Should patients using inhaled glucocorticoids for asthma or COPD be advised to stop these medications to prevent COVID-19?** (2020)

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=6b2483f45844e4584c6404c77888fc1d)

... patients with asthma or chronic obstructive pulmonary disease (COPD) who need inhaled glucocorticoids to maintain control of their asthma or COPD should continue them at their usual dose.

### Opening Internet Links

The links to internet sites in this document are 'live' and can be opened by holding down the CTRL key on your keyboard while clicking on the web address with your mouse

### Full text papers

Links are given to full text resources where available. For some of the papers, you will need an **NHS OpenAthens Account**. If you do not have an account you can [register online](https://openathens.nice.org.uk/).

You can then access the papers by simply entering your username and password. If you do not have easy access to the internet to gain access, please let us know and we can download the papers for you.

### Guidance on searching within online documents

Links are provided to the full text of each document. Relevant extracts have been copied and pasted into these results. Rather than browse through lengthy documents, you can search for specific words as follows:

**Portable Document Format / pdf / Adobe**  
Click on the Search button (illustrated with binoculars). This will open up a search window. Type in the term you need to find and links to all of the references to that term within the document will be displayed in the window. You can jump to each reference by clicking it.

**Word documents**  
Select Edit from the menu, the Find and type in your term in the search box which is presented. The search function will locate the first use of the term in the document. By pressing 'next' you will jump to further references.

## B. Search History

|  | **Source** | **Criteria** | **Results** |
| --- | --- | --- | --- |
| 1. | Medline | exp \*CORONAVIRUS/ | 9987 |
| 2. | Medline | ((corona\* OR corono\*) ADJ1 (virus\* OR viral\* OR virinae\*)).ti,ab | 662 |
| 3. | Medline | (coronavirus\* OR coronovirus\* OR coronavirinae\* OR Coronavirus\* OR Coronovirus\* OR Wuhan\* OR Hubei\* OR Huanan OR "2019-nCoV" OR 2019nCoV OR nCoV2019 OR "nCoV-2019" OR "COVID-19" OR COVID19 OR "CORVID-19" OR CORVID19 OR "WN-CoV" OR WNCoV OR "HCoV-19" OR HCoV19 OR CoV OR "2019 novel\*" OR Ncov OR "n-cov" OR "SARS-CoV-2" OR "SARSCoV-2" OR "SARSCoV2" OR "SARS-CoV2" OR SARSCov19 OR "SARS-Cov19" OR "SARSCov-19" OR "SARS-Cov-19" OR Ncovor OR Ncorona\* OR Ncorono\* OR NcovWuhan\* OR NcovHubei\* OR NcovChina\* OR NcovChinese\*).ti,ab | 20383 |
| 5. | Medline | (("seafood market\*" OR "food market\*") ADJ10 (Wuhan\* OR Hubei\* OR China\* OR Chinese\* OR Huanan\*)).ti,ab | 52 |
| 6. | Medline | ((outbreak\* OR wildlife\* OR pandemic\* OR epidemic\*) ADJ1 (China\* OR Chinese\* OR Huanan\*)).ti,ab | 878 |
| 7. | Medline | ("severe acute respiratory syndrome\*").ti,ab | 4955 |
| 9. | Medline | exp CHILD/ | 1883997 |
| 10. | Medline | exp INFANT/ | 1125299 |
| 11. | Medline | ADOLESCENT/ | 1997706 |
| 12. | Medline | (child\* OR newborn\* OR adolescent OR infant\* OR pediatric\* OR paediatric\* OR toddler\*).ti,ab | 1913274 |
| 14. | Medline | exp ASTHMA/ | 126282 |
| 15. | Medline | (asthma\*).ti,ab | 154216 |
| 18. | Medline | exp STEROIDS/ | 851189 |
| 19. | Medline | (steroid\*).af | 367836 |
| 22. | Medline | (20191201-20200501).dp | 577355 |
| 23. | Medline | (1 OR 2 OR 3 OR 5 OR 6 OR 7) | 26897 |
| 24. | Medline | (9 OR 10 OR 11 OR 12) | 4009948 |
| 25. | Medline | (14 OR 15) | 175065 |
| 26. | Medline | (18 OR 19) | 1072676 |
| 27. | Medline | (23 AND 24 AND 25) | 94 |
| 28. | Medline | (22 AND 27) | 2 |
| 29. | Medline | (22 AND 23 AND 24 AND 26) | 0 |

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