# Evidence Search Service Results of your search request

## Symptom control after withdrawal of NIV for COVID-19

**ID of request:** 26754  
**Date of request:** 18th December, 2020  
**Date of completion:** 5th January, 2021

If you would like to request any articles or any further help, please contact:  Katie Barnard at [Katie.Barnard@nbt.nhs.uk](mailto:Katie.Barnard@nbt.nhs.uk)

**Sources searched**  
CINAHL (1)  
EMBASE (1)  
Google (3)  
MEDLINE (0)

**Date range used** (5 years, 10 years): 2019 - 2021   
**Limits used** (gender, article/study type, etc.): None   
**Search terms and notes** (full search strategy for database searches below):

You were right that there isn't much out there, at least not explicitly around NIV / CPAP / BiPAP. Some of the few results I have identified extend into invasive ventilation, but might still be of some value.

All the results are freely available apart from one paper (‘Beyond the Mask’) which I have attached as a PDF.

## Contents

[A. Institutional Publications](#Content4)

Specialist Palliative Care Audit and Guidelines Group (SPAGG) - WM Cares

[Withdrawal of assisted ventilation for hospital inpatients outside of critical care settings/ICU](#Research813131)

University Hospitals of Leicester NHS Trust

[Respiratory Support Withdrawal (NIV CPAP HFNO) When Proven or Suspected COVID-19](#Research813129)

[B. Original Research](#Content5)

1. [Beyond the mask: a multidisciplinary reflection on palliating patients with COVID-19 receiving continuous positive airway pressure ventilation.](#Research813173)
2. [Lesson from the First Wave: Developing symptom control guidance for COVID-19 patients who are deteriorating despite non-invasive ventilation (NIV) as their ceiling of treatment [blog]](#Research813127)
3. [Palliative Care in a COVID-19 Intensive Care Unit (ICU): Challenges and Recommendations for Palliative Care Teams in a Pandemic ICU](#Research813174)

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

## A. Institutional Publications

#### Specialist Palliative Care Audit and Guidelines Group (SPAGG) - WM Cares

**Withdrawal of assisted ventilation for hospital inpatients outside of critical care settings/ICU** (2020)

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=4d6414d8bef0697ccd571ecffb69a35d)

#### University Hospitals of Leicester NHS Trust

**Respiratory Support Withdrawal (NIV CPAP HFNO) When Proven or Suspected COVID-19** (2020)

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=85a0aac2705d79f584b635dac37fe443)

## B. Original Research

1. **Beyond the mask: a multidisciplinary reflection on palliating patients with COVID-19 receiving continuous positive airway pressure ventilation.**  
   Hough International Journal of Palliative Nursing 2020;26(7):336-340.

This narrative describes the experiences of an inner city respiratory unit that was transformed to treat COVID-19 patients with continuous positive airway pressure (CPAP) ventilation who were not scheduled for any further escalation in treatment. The high mortality rate and unconventional way of dying led to the creation of local guidance for removing assisted ventilation when the treatment ceased to be effective. We reflect on the specific challenges that caring for these patients holistically has presented and how we have learnt to deliver good palliative care in a unique set of circumstances. We also consider the impact of the pandemic on our team and how the development of a multidisciplinary support system has improved team dynamics and ultimately patient care.

1. **Lesson from the First Wave: Developing symptom control guidance for COVID-19 patients who are deteriorating despite non-invasive ventilation (NIV) as their ceiling of treatment [blog]**  
   Lowri Evans BMJ Supportive & Palliative Care 2020;:-.

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=211616f0b25ea12338b7f87323488e7e)

1. **Palliative Care in a COVID-19 Intensive Care Unit (ICU): Challenges and Recommendations for Palliative Care Teams in a Pandemic ICU**  
   Poi C.H. Annals of the Academy of Medicine, Singapore 2020;49(7):517-522.

[Available online at this link](https://www.knowledgeshare.nhs.uk/index.php?PageID=link_resolver&link=d89147cfd96563acd7fb9aa1df94c73f)

### 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.

## C. Search History

|  | **Source** | **Criteria** | **Results** |
| --- | --- | --- | --- |
| 1. | Medline | exp CORONAVIRUS/ | 45336 |
| 2. | Medline | (coronavirus\* OR coronovirus\* OR Coronavirus\* OR Coronovirus\*).ti,ab | 42742 |
| 3. | Medline | ("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").ti,ab | 85895 |
| 4. | Medline | (1 OR 2 OR 3) | 102470 |
| 5. | Medline | "NONINVASIVE VENTILATION"/ | 2373 |
| 6. | Medline | exp "POSITIVE-PRESSURE RESPIRATION"/ | 26311 |
| 7. | Medline | ("non invasive ventilat\*" OR "noninvasive ventilat\*" OR NIV).ti,ab | 7054 |
| 8. | Medline | ("Positive Airway Pressure" OR CPAP OR BiPAP).ti,ab | 14153 |
| 9. | Medline | ("High flow nasal").ti,ab | 1386 |
| 10. | Medline | (HFNOT OR HFNC OR HHFNC).ti,ab | 601 |
| 11. | Medline | (Airvo).ti,ab | 9 |
| 12. | Medline | (5 OR 6 OR 7 OR 8 OR 9 OR 10 OR 11) | 38043 |
| 13. | Medline | "PALLIATIVE CARE"/ | 55078 |
| 14. | Medline | "HOSPICE AND PALLIATIVE CARE NURSING"/ | 990 |
| 15. | Medline | "PALLIATIVE MEDICINE"/ | 363 |
| 16. | Medline | (palliati\*).ti,ab | 75266 |
| 17. | Medline | ("end of life").ti,ab | 23113 |
| 18. | Medline | ("symptom control").ti,ab | 4780 |
| 19. | Medline | "WITHHOLDING TREATMENT"/ | 12040 |
| 20. | Medline | (withdraw\* OR withhold\*).ti,ab | 133763 |
| 21. | Medline | (13 OR 14 OR 15 OR 16 OR 17 OR 18 OR 19 OR 20) | 253119 |
| 22. | Medline | (4 AND 12 AND 21) | 15 |
| 23. | Medline | 22 [DT 2019-2021] | 15 |
| 24. | EMBASE | exp CORONAVIRINAE/ | 22679 |
| 25. | EMBASE | (coronavirus\* OR coronovirus\* OR Coronavirus\* OR Coronovirus\*).ti,ab | 42896 |
| 26. | EMBASE | ("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").ti,ab | 85808 |
| 27. | EMBASE | (24 OR 25 OR 26) | 103236 |
| 28. | EMBASE | "NONINVASIVE VENTILATION"/ | 11060 |
| 29. | EMBASE | "POSITIVE END EXPIRATORY PRESSURE"/ | 55143 |
| 30. | EMBASE | ("non invasive ventilat\*" OR "noninvasive ventilat\*" OR NIV).ti,ab | 13169 |
| 31. | EMBASE | ("Positive Airway Pressure" OR CPAP OR BiPAP).ti,ab | 25295 |
| 32. | EMBASE | ("High flow nasal").ti,ab | 2562 |
| 33. | EMBASE | (HFNOT OR HFNC OR HHFNC).ti,ab | 1257 |
| 34. | EMBASE | (Airvo).ti,ab | 52 |
| 35. | EMBASE | (28 OR 29 OR 30 OR 31 OR 32 OR 33 OR 34) | 0 |
| 36. | EMBASE | "PALLIATIVE THERAPY"/ | 90813 |
| 37. | EMBASE | "PALLIATIVE NURSING"/ | 990 |
| 38. | EMBASE | "TERMINAL CARE"/ | 36461 |
| 39. | EMBASE | (palliati\*).ti,ab | 119261 |
| 40. | EMBASE | ("end of life").ti,ab | 34476 |
| 41. | EMBASE | ("symptom control").ti,ab | 8551 |
| 42. | EMBASE | "TREATMENT WITHDRAWAL"/ | 19770 |
| 43. | EMBASE | (withdraw\* OR withhold\*).ti,ab | 189355 |
| 44. | EMBASE | (36 OR 37 OR 38 OR 39 OR 40 OR 41 OR 42 OR 43) | 386632 |
| 45. | EMBASE | (27 AND 35 AND 44) | 45 |
| 46. | EMBASE | 45 [DT 2019-2021] | 40 |
| 47. | CINAHL | "COVID-19"/ | 11696 |
| 48. | CINAHL | (coronavirus\* OR coronovirus\* OR Coronavirus\* OR Coronovirus\*).ti,ab | 10717 |
| 49. | CINAHL | ("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").ti,ab | 27996 |
| 50. | CINAHL | (47 OR 48 OR 49) | 33016 |
| 51. | CINAHL | exp "POSITIVE PRESSURE VENTILATION"/ | 11413 |
| 52. | CINAHL | exp "POSITIVE PRESSURE VENTILATION"/ | 11413 |
| 53. | CINAHL | ("non invasive ventilat\*" OR "noninvasive ventilat\*" OR NIV).ti,ab | 2864 |
| 54. | CINAHL | ("Positive Airway Pressure" OR CPAP OR BiPAP).ti,ab | 5431 |
| 55. | CINAHL | ("High flow nasal").ti,ab | 859 |
| 56. | CINAHL | (HFNOT OR HFNC OR HHFNC).ti,ab | 320 |
| 57. | CINAHL | (Airvo).ti,ab | 9 |
| 58. | CINAHL | (51 OR 52 OR 53 OR 54 OR 55 OR 56 OR 57) | 15559 |
| 59. | CINAHL | "PALLIATIVE CARE"/ | 37010 |
| 60. | CINAHL | "PALLIATIVE CARE"/ | 37010 |
| 61. | CINAHL | "TERMINAL CARE"/ | 18144 |
| 62. | CINAHL | (palliati\*).ti,ab | 38310 |
| 63. | CINAHL | ("end of life").ti,ab | 20597 |
| 64. | CINAHL | ("symptom control").ti,ab | 2073 |
| 65. | CINAHL | "EUTHANASIA, PASSIVE"/ | 4810 |
| 66. | CINAHL | (withdraw\* OR withhold\*).ti,ab | 27130 |
| 67. | CINAHL | (59 OR 60 OR 61 OR 62 OR 63 OR 64 OR 65 OR 66) | 99791 |
| 68. | CINAHL | (50 AND 58 AND 67) | 10 |
| 69. | CINAHL | 68 [DT 2019-2021] | 10 |

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