



**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 54191

**Manuscript Type:** CASE REPORT

**Helmet-based noninvasive ventilation for acute exacerbation of chronic obstructive pulmonary disease: A case report**

Park MH *et al.* Salvage treatment for AECOPD

Mi Hwa Park, Min Jeong Kim, Ah Jin Kim, Man-Jong Lee, Jung-Soo Kim

**Abstract**

BACKGROUND

Noninvasive ventilation (NIV) reduces intubation rates, mortalities, and lengths of hospital and intensive care unit stays in patients with acute exacerbation of chronic obstructive pulmonary disease (AECOPD). Helmet-based NIV is better tolerated than

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<https://www.nejm.org/doi/full/10.1056/NEJM199509283331301>

In patients with **acute exacerbations of chronic obstructive pulmonary disease**, **noninvasive ventilation** may be used in an attempt to avoid **endotracheal intubation and complications associated with mechanical ventilation**.

**Cited by:** 2480**Author:** L Aurent, B Rochard, J Ordi M Ancebo,...**Publish Year:** 1995

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**Cited by:** 225**Author:** Massimo Antonelli, Mariano Alberto Pe...**Publish Year:** 2004

## The use of non-invasive ventilation in an exacerbation of ...

<https://www.magonlinelibrary.com/doi/abs/10.12968/bjon.2019.28.22.1461>

**Noninvasive ventilation for acute exacerbations of chronic obstructive pulmonary disease**. N Engl J Med. 1995;333(13):817-22. Crossref, Medline, Google Scholar; Broström A, Fridlund B, Ulander M, Sunnergren O, Svanborg E, Nilsen P. A mixed method evaluation of a **group-based** educational programme for CPAP use in patients with **obstructive sleep apnea**.

**Author:** Andrew Ratan**Publish Year:** 2019

## Ward-Based Non-Invasive Ventilation in Acute Exacerbations ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6315392>

Dec 09, 2018 · Non-invasive **ventilation** (NIV) is frequently used as a treatment **for acute** hypercapnic respiratory failure (AHRF) in hospitalised patients with **acute exacerbation of chronic obstructive pulmonary disease** (AECOPD). In the UK, many patients with AHRF secondary to AECOPD are treated with ward-based NIV, rather than being treated in critical care.

**Cited by:** 4**Author:** Samuel P. Trethewey, Ross G. Edgar, A...





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**Publish Year:** 1995

## Noninvasive Positive Pressure Ventilation Using a Helmet ...

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## Chronic C Disease

Medical Condition

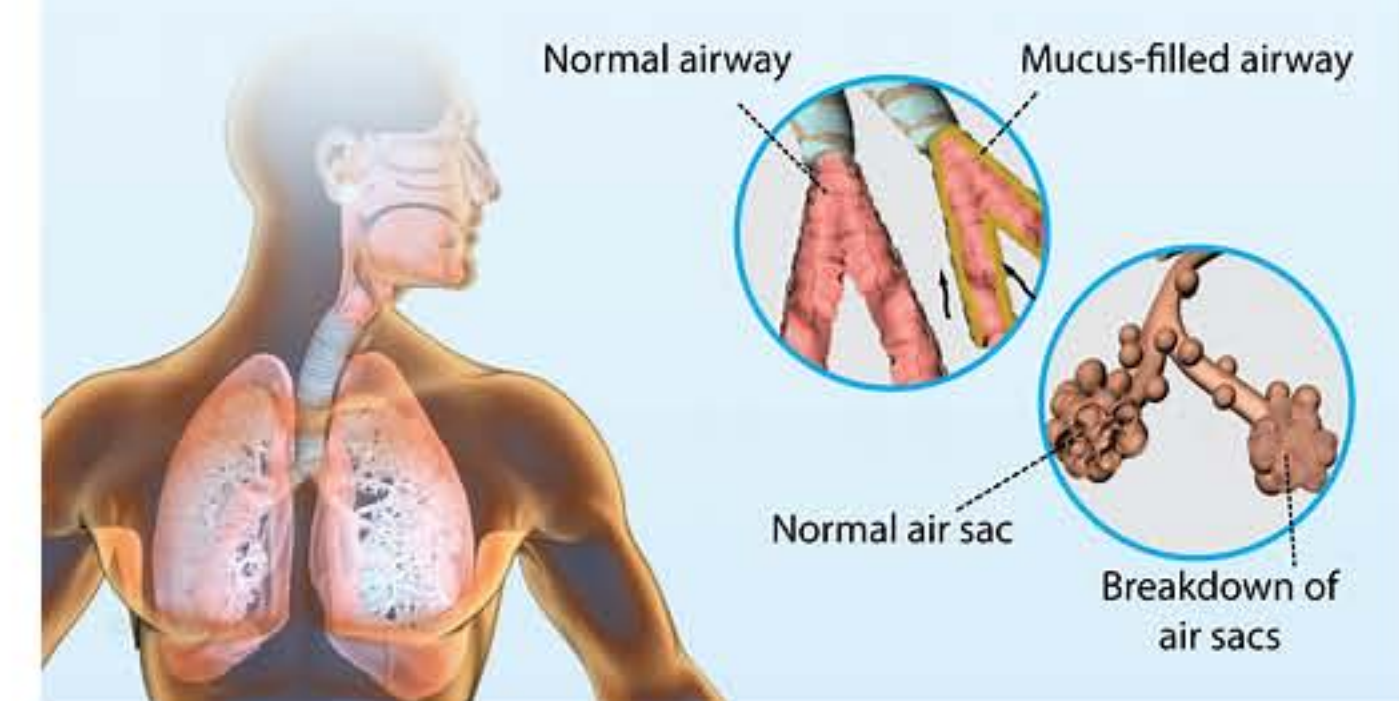


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Shortness of breath, chronic cough and wheezing



A group of progressive lung disorders characterized by increasing breathlessness.





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**Cited by:** 223

**Author:** Massimo Antonelli, Mariano Alberto Penni...

**Publish Year:** 2004

## [Invasive to Noninvasive Ventilation in Chronic Obstructive ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4923610>

**Noninvasive ventilation** with orofacial or **nasal mask** avoids the need for **endotracheal intubation** and reduces the risk of complications associated with **mechanical ventilation**. Several investigators have studied the use of **noninvasive positive pressure ventilation (NPPV)** in patients with **acute exacerbation of COPD** [2, 3]. We present a case that was successfully managed and weaned off early from **ventilator** using **noninvasive positive pressure ventilation**.

**Cited by:** 1

**Author:** RM Sharma, A Handa, R Chaturvedi

**Publish Year:** 2003

## [Comparison of helmet and facial mask during noninvasive ...](#)

<https://www.ncbi.nlm.nih.gov/pubmed/26281326>

Comparison of helmet and facial mask during noninvasive **ventilation** in patients with **acute exacerbation of chronic obstructive pulmonary disease**: a randomized controlled study. Özlem ÇG, Ali A, Fatma U, Mehtap T, Şaziye Ş.

**Cited by:** 6

**Author:** Özlem Çg, Ali A, Fatma U, Mehtap T, Şazi...

**Publish Year:** 2015