

LEARN MORE ABOUT OXYGEN

O₂matic

Insight into oxygen therapy
4th January 2024

Swipe



Oxygen is a potent and life-saving drug

The method of oxygen dosing
has remained the same as it
was 100 years ago.



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"Oxygen should be
treated like any other drug.

Too much might be as
harmful as **not enough**"

- **Doctor Antonio Corrado**

Former chief of the respiratory department in Florence, Italy

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PRO 100 is an intelligent robot that optimizes oxygen treatment by regulating the oxygen supply based on continuous measurements of the blood oxygen content.



PRO 100

PRO 100 is significantly better at **keeping patients in the correct oxygen range** and avoiding hypoxemia and hyperoxia.

Hansen EF, Hove JD, Bech CS, et al.

Automated oxygen control with O2matic® during admission with exacerbation of COPD.



SAFETY

Photo: FAM Svendborg

Hyperoxia is associated with increased mortality in patients with COPD and a wide variety of other acute medical conditions.

Sandaū C, Hansen EF, Pedersen L, et al.

Hypoxemia and not hyperoxemia predicts worse outcome in severe COPD exacerbations - an observational study.

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**There are clinical
and health-economic
gains in the form of**



**Reduces time in severe
hypoxemia by 93%**

**Faster weaning from
oxygen supplementation**

Lower cost

Poder TG, Kouakou CRC, Bouchard PA, et al.
Cost-effectiveness of FreeO2 in patients with chronic
obstructive pulmonary disease hospitalised for acute
exacerbations: analysis of a pilot study in Quebec.



In connection with **activity**,
O2matic increased COPD
patients' walking distance by 98%
and **halved** shortness of breath.

Kofod LM, Westerdahl E, Kristensen MT, et al.
Effect of Automated Oxygen Titration during Walking on Dyspnea and Endurance in
Chronic Hypoxemic Patients with COPD: A Randomized Crossover Trial.



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O₂matic reduces shortness of breath and discomfort.

Sandau C, Hansen EF, Ringbæk TJ, Kallemose T, Bove DG, Poulsen I, Nørholm V, Pedersen L, Jensen JUS, Ulrik CS.

Automated Oxygen Administration Alleviates Dyspnea in Patients Admitted with Acute Exacerbation of COPD: A Randomized Controlled Trial.



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AUTOMATIC OXYGEN TREATMENT



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