



TRUETT MEDICAL
INTERNATIONAL

Aerobika[®]

Oscillating Positive
Expiratory Pressure Therapy System

Empowering COPD Patients to Breathe Better, Live Better by Reducing Exacerbations⁴

77% of COPD patients have experienced an exacerbation leading to an increased risk of hospitalization and disease progression.¹



What are you interested in learning about?

1. Neil Barnes et al; COPD and exacerbations: Patient insights. BMC Pulmonary Medicine 2013. 4. Burudpakdee et al; Pulm Ther 2017 DOI: 10.1007/s41030-017-0027-5.

The countdown to her next COPD exacerbation has already begun

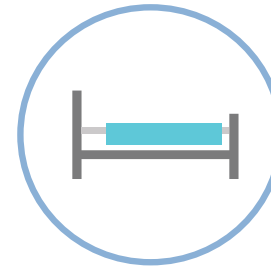


Globally COPD is...



3rd

leading cause of death²



+251 million

cases²



+3 million

deaths²

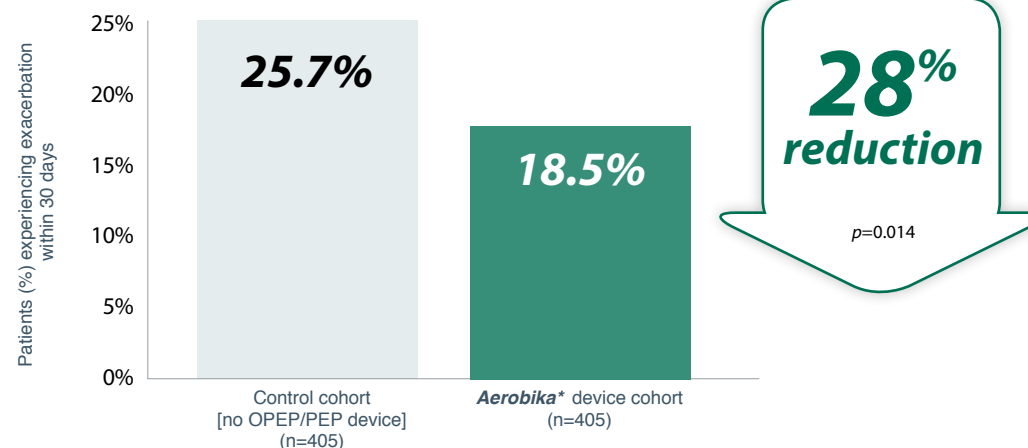
Acute exacerbations result in:

- Decline in lung function³
- Poorer quality of life³
- Increased mortality³
- Frequent hospital admissions, relapses and readmissions³

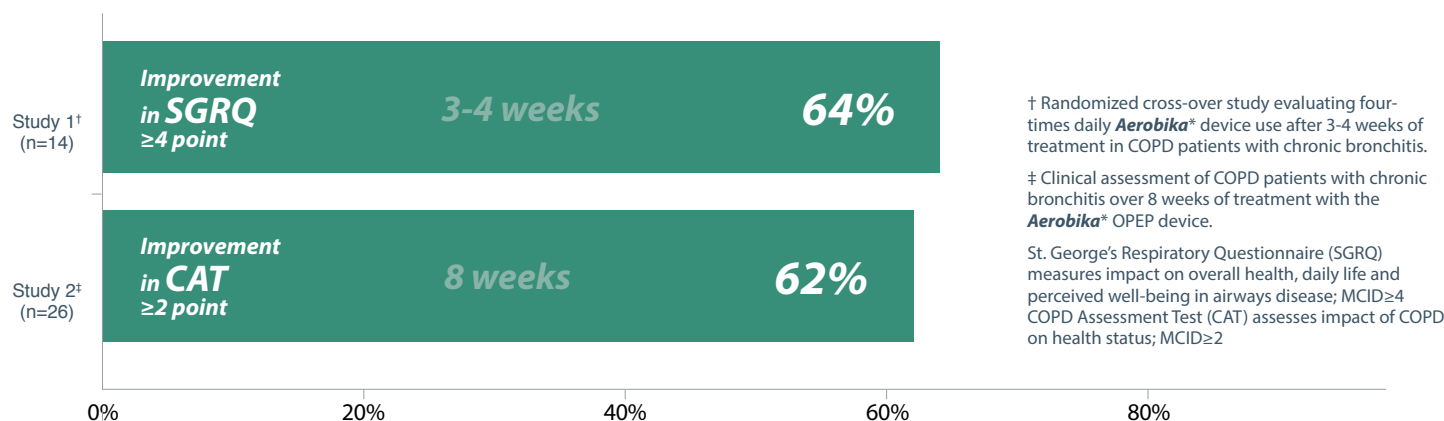
1 in 5 patients hospitalized for a COPD exacerbation require rehospitalization within 30 days⁴

Reduces COPD exacerbations by 28% in the critical 30 day period⁴

Real world study measured the rate of early (30-day) moderate-to-severe exacerbations and related costs in COPD patients with chronic bronchitis. Moderate-to-severe exacerbation is defined as a hospitalization or an emergency department visit.



Improves *Quality of Life* in COPD Patients⁵

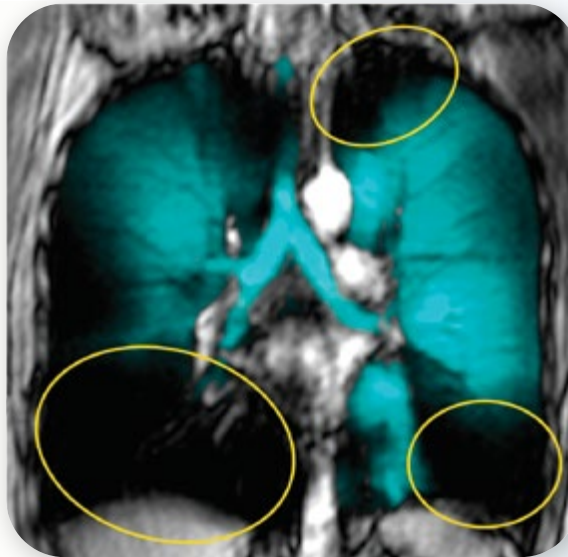


Improves **Ventilation** in COPD Patients⁶



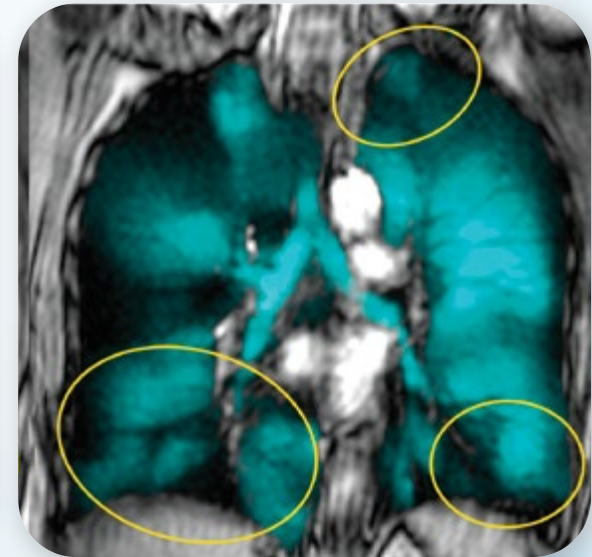
BEFORE

Baseline care (no OPEP/PEP device)



AFTER

Baseline care plus **Aerobika*** device



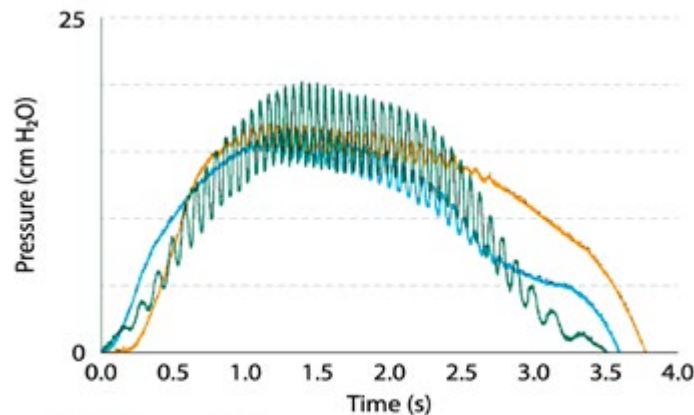
Teal colour and intensity show areas with gas distribution. Yellow circles represent areas of greatest change after 3-4 weeks of **Aerobika*** device use.

Randomized cross-over study evaluating four-times daily **Aerobika*** device use after 3-4 weeks of treatment in COPD patients with Chronic bronchitis
Hyperpolarized helium-3 (³He) magnetic resonance imaging (MRI) ventilation in representative sputum producer.

Efficiency and Effectiveness⁷

The **Aerobika*** OPEP device was the most efficient and effective OPEP device tested **in vitro**⁷

- ✓ Oscillations occur from the start through to the end of the breath
- ✓ The amplitude of the oscillations is high and consistent
- ✓ Frequency of the oscillations mimics natural airway cilia movement



Adapted from Meyer and Suggett, poster presented at CHEST 2017.⁷



Percentage of exhaled breath with oscillations

81% Aerobika* device

67% Acapella Choice⁺

62% Flutter⁺

Average oscillation pressure amplitude (cm H₂O)

13.9 Aerobika* device

5.8 Acapella Choice⁺

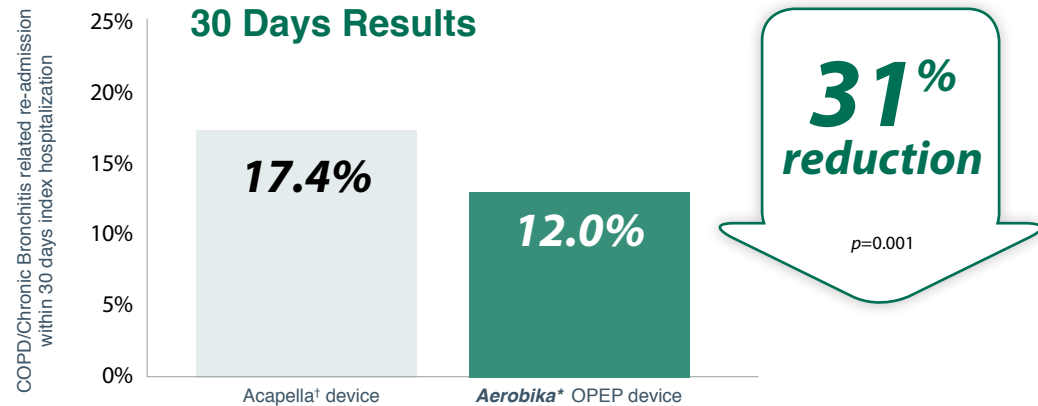
3.0 Flutter⁺

Prescribe the **Aerobika*** device as an add-on to usual COPD treatment.

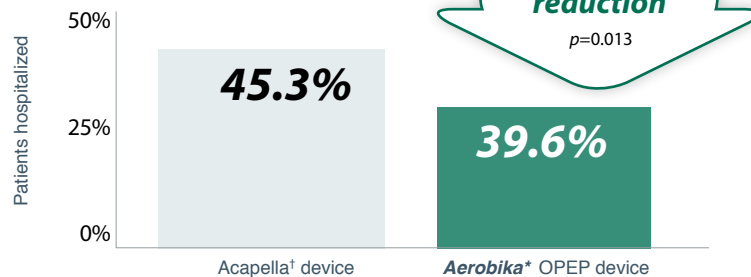
Aerobika* OPEP Device and Acapella† device comparison⁸

n=619 Aerobika* OPEP Device n=1857 Acapella† device

Real world evidence among Chronic Obstructive Pulmonary Disease (COPD) patients with chronic bronchitis on Hospital Readmissions at 30 Days and 12 Months



12 Month Results



12 Month Results

