



TRUDELL MEDICAL
INTERNATIONAL

Aerobika[®]

Oscillating Positive
Expiratory Pressure Therapy System

Empowering COPD Patients to Breathe Better, Live Better by Reducing Exacerbations⁶

77% of COPD patients have experienced an exacerbation increasing risk of hospitalization and driving disease progression.¹



What are you interested in learning about?

1. Neil Barnes et al; COPD and exacerbations: Patient insights. BMC Pulmonary Medicine 2013. 6. Burudpakee et al; Pulm Ther 2017 DOI: 10.1007/s41030-017-0027-5.

The countdown to her next COPD exacerbation has already begun

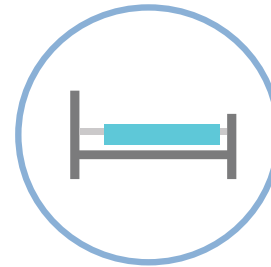


Did you know COPD in Canada is...



No. 5

Cause of disease death²



No. 1

Cause of hospital readmission³



+50%

Patients Undiagnosed⁴

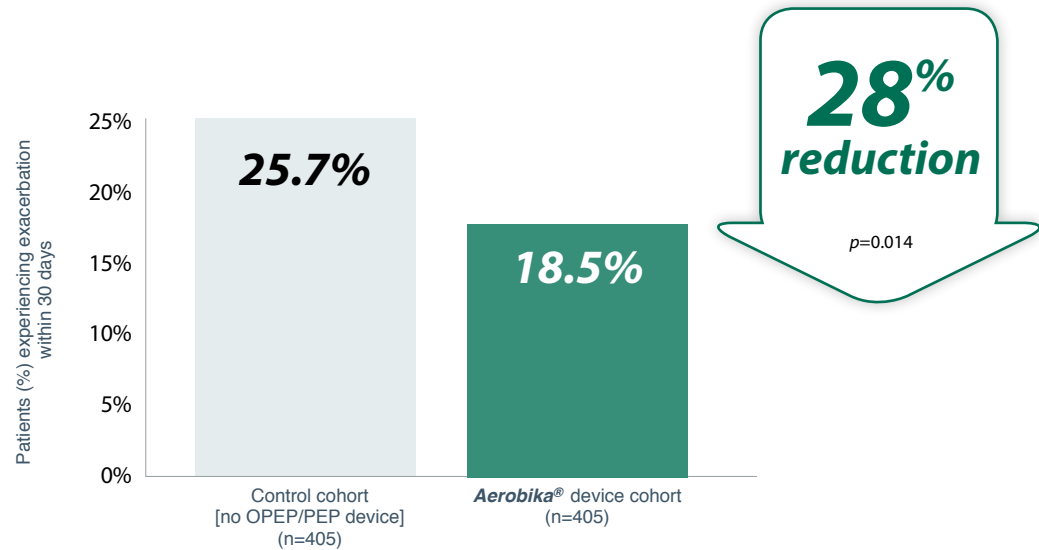
Acute exacerbations result in:

- Decline in lung function⁵
- Poorer quality of life⁵
- Increased mortality⁵
- Frequent hospital admissions, relapses and readmissions⁵

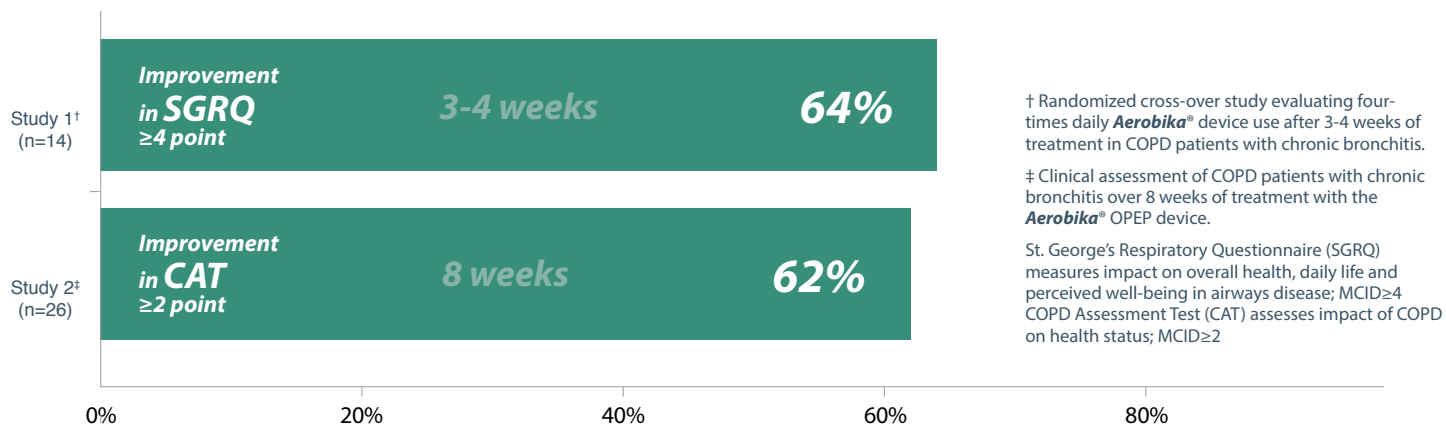
1 in 5 patients hospitalized for a COPD exacerbation require rehospitalization within 30 days⁶

Reduces COPD exacerbations by 28% in the critical 30 day period⁶

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 Patients⁷

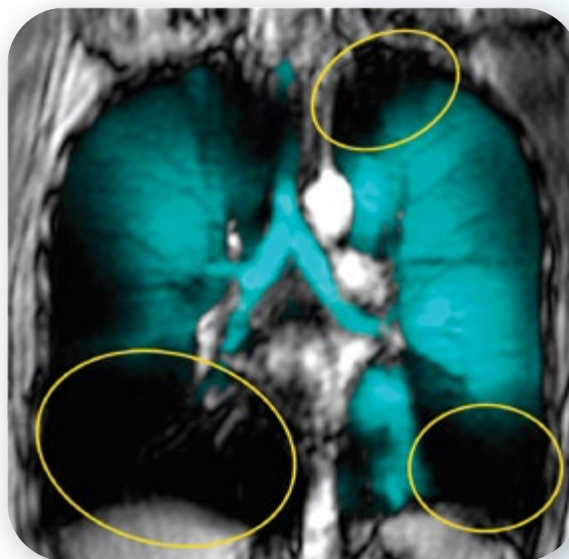


Improves **Ventilation** in COPD Patients⁸



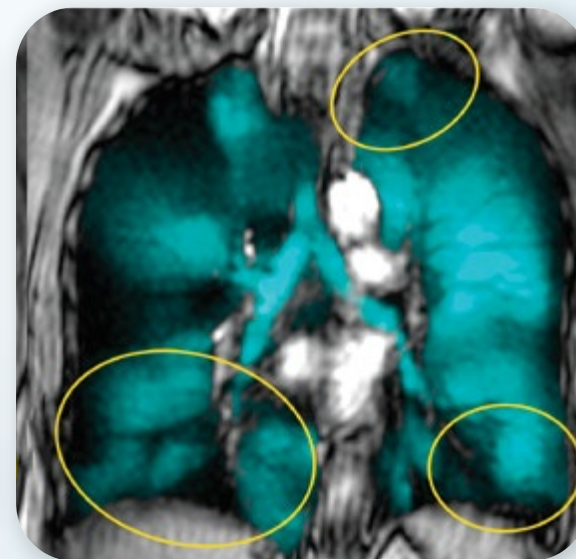
BEFORE

Baseline care (no OPEP/PEP device)



AFTER

Baseline care plus **Aerobika**® device



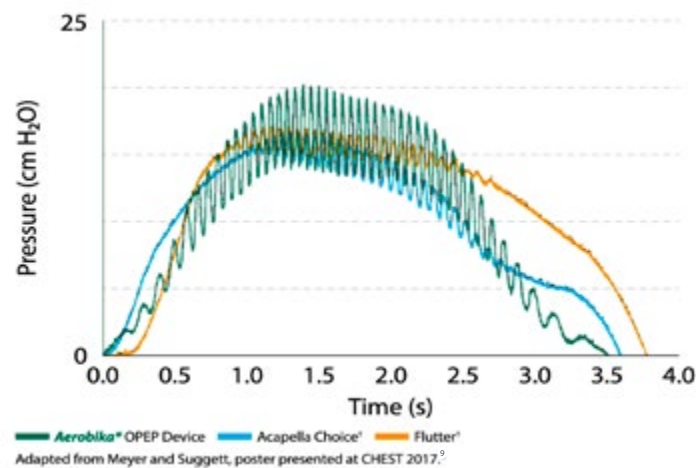
Teal colour and intensity show areas with gas distribution. Yellow circles represent areas of greatest change after 3-4 weeks of **Aerobika**® device use.

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 Effectiveness⁹

The **Aerobika**[®] OPEP device was the most efficient and effective OPEP device tested *in vitro*⁹

- ✓ 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



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[†]

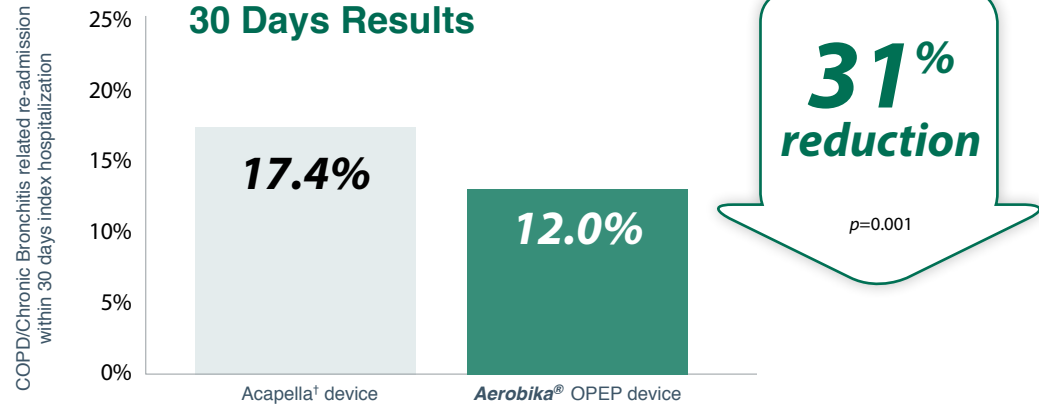
3.0 Flutter[†]

Prescribe the **Aerobika**[®] device as an add-on to usual COPD treatment.
Available behind the counter at community pharmacies.

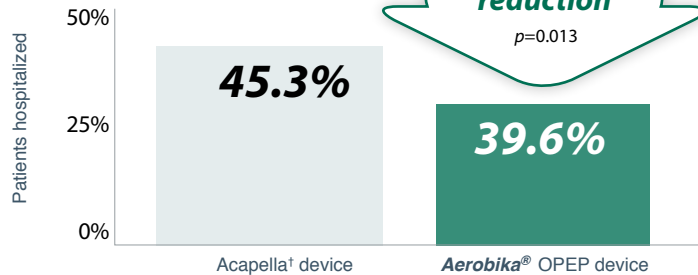
Aerobika[®] OPEP Device and Acapella[†] device comparison¹⁰

n=619 Aerobika[®] OPEP Device n=1857 Acapella[†] device

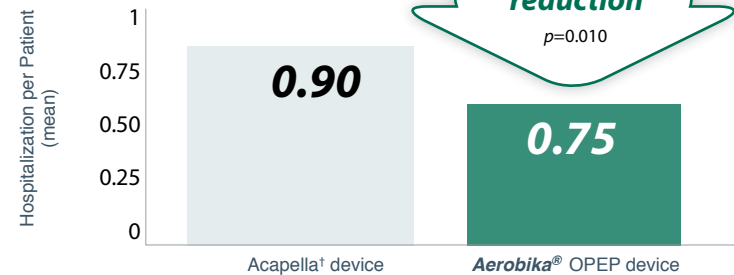
*Real world evidence
among Chronic Obstructive
Pulmonary Disease (COPD)
patients with chronic bronchitis
on Hospital Readmissions
at 30 Days and 12 Months*



12 Month Results



12 Month Results



**Prescription coverage is easy.
— Pay and Submit —**

Designed and
Developed in Canada

