



Have you reached a tipping point in what you prescribe for airway clearance?

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**smartvest**<sup>®</sup>

AIRWAY CLEARANCE SYSTEM

**BY ELECTROMED, INC.**





# The SmartVest<sup>®</sup> can be an effective, convenient, and comfortable solution.

Mounting clinical evidence, plus the experience of patients and clinicians, indicates high frequency chest wall oscillation (HFCWO) offers significant therapeutic and cost benefits for treating compromised airway clearance, including individuals who:

- Retain bronchial secretions.
- Receive inadequate relief from medications and standard treatments.
- Are at risk of respiratory infections, lung scarring, and hospitalizations.



**Alaina** (comments by her dad, Chris)

“She was very tiny but it’s great that treatment started so young because it’s part of her day-to-day life and very ‘normal’ for her. Doing manual percussions takes so much time and it’s exhausting; her SmartVest makes it so much easier. We are so thankful for the convenience of the SmartVest and how easy it makes life for us and for our amazing little girl.”

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*Diagnosed with cystic fibrosis at seven weeks, Alaina, now 5, is a very active little girl and doesn’t let cystic fibrosis stop her from staying active and traveling on family trips.*



**Madelynn** (comments by her mom, Rebekah)

“We have our routine in the evening: dinner, bath, and ‘shakey-shake.’ Every time now, you hear one or all of us say, more than once, encouraging her, ‘It’s good for you,’ and she calms down. We are so grateful to her CF team, SmartVest, and most of all, to her big brother for helping us change our perspective and use something that is so helpful for Madelynn’s health.”

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*Diagnosed with cystic fibrosis at birth, Madelynn, now 2, was prescribed the SmartVest when she turned one. Starting a new routine was a struggle, but her big brother played a big part in helping her know the therapy is good for her.*



# HFCWO thins, shears and mobilizes retained secretions.

At 15 compressions per second, during a 20-minute therapy session, the SmartVest® system delivers shear force equivalent to 18,000 mini-coughs — with zero patient effort or fatigue.



**Ayla** (comments by her mom, Libby )

"Since receiving the machine, our lives have been so much better; Ayla is so much healthier than most of our PCD friends. She does her half hour in the morning and half hour at night. She's able to carry on almost a normal life as children her age. The SmartVest has changed our lives forever! We thank you so much for providing us freedom back again!"

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*Diagnosed with primary ciliary dyskinesia (PCD) at two weeks old, Ayla, now 3, helps set up her device on her treatment cart for easy use.*



**Caleb**

"I've got a busy life. If my lungs aren't cooperating, I'm not able to do the things I need to do. I have several daily treatments, including an inhaled antibiotic and a bronchodilator. But it's thick, heavy mucus. So one of my therapies — a big one, really — is the physical therapy I get from HFCWO."

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*Diagnosed with cystic fibrosis as a newborn, Caleb, now 24, has a passion for work, motorcycles and wake boarding — and plans to launch his own technology and software business.*



# Multiple studies show HFCWO to be effective and well-tolerated.

In clinical studies, researchers have found HFCWO to be well tolerated, to provide significant relief from compromised airway clearance, and to reduce antibiotic use, emergency room visits and hospitalizations.\*

\*For more information, visit [smartvest.com](http://smartvest.com)



## Georgia

"I have COPD, emphysema, congestive heart failure and diabetes. Before I got the HFCWO device, I couldn't budge the mucus and was getting all kinds of infections. When I got the device, things changed. I breathe better, walk better, sweep the floor, do dishes — the things you can't do if you don't move that mucus out of there."

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*With 18 grandchildren and five great-grandchildren, Georgia values the improved quality of life she's gained from HFCWO therapy.*



## Patricia

"I got to the point where I was so tired, I didn't want to go anywhere or do anything. My condition just kept us (she and her husband), from going anywhere and doing anything fun. Before I got it [SmartVest], I just didn't think I had much life left. I'm afraid not to use it!"

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*After numerous sinus infections and pneumonia, Patricia was left with scarring in her lungs and was diagnosed with bronchiectasis. Since using her SmartVest, her husband can barely keep up with her.*



# The SmartVest<sup>®</sup> Airway Clearance System reduces the cost of care.

In two recently published case review outcome-based studies, the clinical effectiveness of SmartVest was proven by comparing a year of exacerbation-related healthcare utilization, medication, and respective costs for non-cystic fibrosis bronchiectasis patients to a standard of care control.

By consistently using SmartVest, the study population experienced reduced antibiotic prescriptions, hospitalizations, and emergency department visits.\*

\*For more information, visit [smartvest.com](http://smartvest.com)



## **Carla Roter, M.D.**

"My first exposure to HFCWO was when I developed pneumonia. I was really having difficulty moving secretions. I used the device over a weekend and was so much clearer by Monday. That's when I really started to look at HFCWO not only for acute situations, but also for people who suffer the symptoms I had every day of their lives."

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*Dr. Roter and her medical teams routinely prescribe HFCWO.*

*Director of Respiratory and Pulmonary Rehabilitation, Banner Thunderbird Medical Center, Phoenix, Ariz., and White Mountains Regional Medical Center, Springerville, Ariz.*



## **Dean Bleadorn, RRT, RCP**

"Most of the manual chest physiotherapy we do is with very young children. For the majority of our pediatric and adult patients, we use HFCWO. One of the primary values is you can use HFCWO concurrent with other therapies. Patients like it, and it produces results. It's just an effective therapy that has worked well for our therapists and our patients."

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*Dean Bleadorn has more than 35 years of experience as a respiratory therapist.*

*Respiratory Care Manager, St. Luke's Hospital, Cedar Rapids, Iowa*



# A Clear Difference in HFCWO Devices.

The SmartVest® Airway Clearance System by Electromed, Inc.

- Open system with active inflate - active deflate.
- Velcro-like closures, soft-touch fabric, and single-hose design.
- Reimbursement specialists to coordinate and facilitate the collection of forms and medical documentation for each patient's specific health plan.
- Patient support from a respiratory therapist is available 365 days a year.



## **Leslie Carpenter, CRT**

"I've worked with patients who have cystic fibrosis, bronchiectasis, muscular dystrophy, even patients who were quadriplegic. I've seen how beneficial HFCWO is to just about anybody who needs airway clearance. I've actually had people call days later and cry because they had such wonderful results. They couldn't believe the difference it made in their lives."

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*Leslie Carpenter, of San Antonio, is one of more than 300 professionals who provide patients and caregivers with in-home training on the SmartVest® Airway Clearance System.*



## **Lil O'Neill, RRT**

"We strive to keep up with equipment that will serve patients' needs for comfort, quality, convenience and, most importantly, effectiveness. And as clinicians we need to think about ways to prevent readmissions for diseases such as pneumonia and COPD. I've known about HFCWO as long as I've been a therapist. I could see this type of therapy would really benefit our patients."

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*Lil O'Neill has 29 years of experience as a respiratory therapist. Manager of Respiratory Care, Bryan Medical Center (East Campus), Lincoln, Neb.*