

High Frequency Chest Wall Oscillation Systems

DME.O2.101.A

v2.0.2024

HCPCS Codes

E0483, A7025, A7026

High Frequency Chest Wall Oscillation Systems - Criteria

A high frequency chest wall oscillation system is indicated when **both** of the following apply:

- There is documentation of **one** of the following:
 - The individual has neuromuscular disease
 - The individual has cystic fibrosis
 - The individual has bronchiectasis on imaging with **either**:
 - Daily productive cough
 - Frequent exacerbations requiring antibiotics
- The individual has had failure of, intolerance to, or contraindication to standard treatments such as chest percussion and/or postural drainage

References

1. Panitch H.B. Respiratory implications of pediatric neuromuscular disease. Respir Care. 2017 Jun;62(6):828-848.
2. Hull J. et al. British thoracic society guideline for respiratory management of children with neuromuscular weakness. Thorax 2012, 67 Suppl 1: i1-40
3. Benditt, J.O. Respiratory care of patients with neuromuscular disease. Respir Care. 2019 Jun;64(6):679-688.
4. Lee, A. L. et al. Airway clearance techniques for bronchiectasis. Cochrane Database Syst Rev. 2015 Nov 23;2015(11)
5. Wilson, L.M. Airway clearance techniques for cystic fibrosis: an overview of cochrane systematic reviews. Cochrane Database Syst Rev. 2019 Jan 24;1(1)
6. Lechtzin N. The impact of high-frequency chest wall oscillation on healthcare use in patients with neuromuscular diseases. Ann Am Thorac Soc. 2016 Jun;13(6):904-9.
7. Nicolini A. et al. Effectiveness of treatment with high-frequency chest wall oscillation in patients with bronchiectasis. BMC Pulm Med. 2013 Apr 4;13-21.
8. Mikesell C. L. et al. Objective measurement of adherence to out-patient airway clearance therapy by high-frequency chest wall compression in cystic fibrosis. Respir Care. 2017 Jul;62(7):920-927.