SCS - Citations Supporting High-Frequency Chest Wall Oscillation

- These citations mostly describe studies of High Frequency Chest Wall Oscillation (HFCWO).
- Remember, all other “Vest” type devices utilize a high frequency of chest wall compression (HFCWC) by using only positive pressure.
- Oscillation requires both a negative and positive pressure applied to the chest wall, which only The Hayek SCS can offer using Biphasic Cuirass Ventilation (BCV).
- The Hayek SCS is the only airway clearance device offers a true HFCWO.
- The following case studies exemplify clinical indications for use of secretion clearance modalities, including The Hayek SCS.
- These studies also validate the potential for broader use of The Hayek SCS.


3. Fink, James, B, MSc, RRT, FAARC, Mahlmeister, Michael, J MSc, RRT. High-Frequency Oscillation of the Airway and Chest Wall. Respiratory Care, July 2002, Wol. 47 No7.


8. Allan JS, Garrity JM, Donahue DM. The utility of High Frequency Chest Wall Oscillation therapy in the post-operative management of thoracic surgical patients. Chest 2003;124 (suppl 1):235S.


21. Gomez A, Elisan I, hardy K. Utilization of High Frequency Chest Wall Oscillation (Vest therapy) during therapeutic pediatric flexible fiberoptic bronchoscopy. Poster presentation at the 46th International Respiratory Congress of the American Association for Respiratory Care, October 7, 2000, Cincinnati, Ohio, USA.


26. Gomez A, Elisan I, Hardy K. High Frequency Chest Wall Oscillation: video documentation of effect on a patient with duchenne’s muscular dystrophy and severe scoliosis. Poster presentation at the 46th International Respiratory Congress of the American Association for Respiratory Care, October 7, 2000, Cincinnati, Ohio, USA.


