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High Frequency Percussive Ventilation : Principle and fifteen year of experience en preterm infants with respiratory distress syndrome – Adel Bougatef, MD, PhD ; Ann Casteels, MD ; Filip Cools MD ; Daniel De Wolf , MD, PhD ; Luc Foubert, MD, PhD. Neonatal Intensive Care Unit, Universitair Ziekenhuis Brussels, Department of Pediatric Cardiology, Ghent University Hospital Gent, Department of Anesthesia and Intensive Care, OLV Hospital Aalst - Belgium

Measurement of pulsatile tidal volume, pressure amplitude, and gas flow during high-frequency percussive ventilation, with and without partial cuff deflation – Allan PF, Thurlby IR, Naworol GA. – Pulmonary Medicine Flight, Wilford Hall Medical Center, 759th MSGS/MCCP, 2200 Bergquist Drive, Lackland Air Force Base TX 78236.


High-frequency percussive ventilation improves oxygenation in trauma patients with acute respiratory distress syndrome: a retrospective review - Eastman A, Holland D, Higgins J, Smith B, Delagarza J, Olson C, Brakenridge S, Foteh K, Friese R. - Department of Surgery, University of Texas Southwestern Medical Center at Dallas, 75390-9158, USA.

High-frequency percussive ventilation with systemic heparin improves short-term survival in a LD100 sheep model of acute respiratory distress syndrome - Eastman A, Holland D, Higgins J, Smith B, Delagarza J, Olson C, Brakenridge S, Foteh K, Friese R. - Department of Surgery, Shriners Hospitals for Children, University of Texas Medical Branch, Galveston, Texas 77555-0528, USA.

Mechanical loads modulate tidal volume and lung washout during high-frequency percussive ventilation - Lucangelo U, Antonaglia V, Zin WA, Berlot G, Fontanesi L, Peratoner A, Bernabe F, Gullo A. - Department of Perioperative Medicine, Intensive Care and Emergency, Cattinara Hospital, Trieste University School of Medicine, Strada di Fiume 447, I-34139 Trieste, Italy.

High-frequency percussive ventilation during surgical bronchial repair in a patient with one lung - Lucangelo U, Zin WA, Antonaglia V, Gramaticopolo S, Maffessanti M, Liguori G, Cortale M, Gullo A. - Department of Perioperative Medicine, Intensive Care and Emergency, Cattinara Hospital, Trieste University School of Medicine, Strada di Fiume 447, I-34139 Trieste, Italy.

High-frequency percussive ventilation - Salim A, Martin M. - Department of Surgery, Division of Trauma and Critical Care, University of Southern California Keck School of Medicine, USA.

High-frequency percussive ventilation - Lucangelo U, Antonaglia V, Gullo A, Zin WA. Department of Perioperative Medicine, Intensive Care and Emergency, Cattinara Hospital, Trieste University School of Medicine, Strada di Fiume 447, I-34139 Trieste, Italy.

High-frequency percussive ventilation: an alternative mode of ventilation for head-injured patients with adult respiratory distress syndrome - Salim A, Miller K, Dangleben D,
Cipolle M, Pasquale M. - Department of Surgery, Division of Trauma and Critical Care, University of Southern California Keck School of Medicine and the Los Angeles County-University of Southern California Medical Center, USA

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High frequency percussive ventilation (HFPV). Case reports. - Lucangelo U, Fontanesi L, Antonaglia V, Antolini F, Berlot G, Liguori G, Gullo A. - Department of Perioperative Medicine, Intensive Care and Emergency, Cattinara Hospital, Trieste University School of Medicine, Strada di Fiume 447, I-34139 Trieste, Italy

High frequency percussive ventilation (HFPV). Principles and technique. - Lucangelo U, Fontanesi L, Antonaglia V, Pellis T, Berlot G, Liguori G, Bird FM, Gullo A. - Department of Perioperative Medicine, Intensive Care and Emergency, Cattinara Hospital, Trieste University School of Medicine, Strada di Fiume 447, I-34139 Trieste, Italy

High frequency percussive ventilation in burn patients: hemodynamic and gas exchange - Reper P, Van Bos R, Van Loey K, Van Laeke P, Vanderkelen A - Critical Care Department, Queen Astrid Military Hospital, Bruinstreet, 1, 1120 B-, Brussels, Belgium

High-frequency percussive ventilation as a salvage modality in adult respiratory distress syndrome: a preliminary study - Paulsen SM, Killyon GW, Barillo DJ. - Adult Burn Center, Department of Surgery, Medical University of South Carolina, Charleston 29425, USA


High frequency percussive ventilation and conventional ventilation after smoke inhalation: a randomised study - Reper P, Wibaux O, Van Laeke P, Vandeenen D, Duinslaeger L, Vanderkelen A. - Critical Care Department, Queen Astrid Military Hospital, Bruinstreet, 1, 1120 B-, Brussels, Belgium

High-frequency percussive ventilation improves oxygenation in patients with ARDS - Velmahos GC, Chan LS, Tatevossian R, Cornwell EE 3rd, Dougherty WR, Escudero J, Demetriades D. - Division of Trauma/Critical Care, University of Southern California and the Los Angeles County + USC Medical Center, Los Angeles 90033, USA

High frequency percussive ventilation in paediatric patients with inhalation injury. - Cortiella J, Mlcak R, Herndon D. - University of Texas Medical Branch at Galveston, USA

High-frequency percussive ventilation compared with conventional mechanical ventilation - Gallagher TJ, Boysen PG, Davidson DD, Miller JR, Leven SR. - Department of Anaesthesiology, University of Florida College of Medicine, Gainesville 32610-0254.
High-frequency percussive ventilation in patients with inhalation injury - Cioffi WG, Graves TA, McManus WF, Pruitt BA Jr. - Department of Anaesthesiology, University of Florida College of Medicine, Gainesville 32610-0254.

High-frequency percussive ventilation in the management of elevated intracranial pressure - Hurst JM, Branson RD, Davis K Jr. - Department of Surgery, University of Cincinnati Medical Center, OH.

Improved ventilatory function in burn patients using volumetric diffusive respiration. Rodeberg DA, Housinger TA, Greenhalgh DG, Maschinot NE, Warden GD - Shriners Burns Institute, Cincinnati, OH 45229-3095.

Decreased pulmonary barotrauma with the use of volumetric diffusive respiration in pediatric patients with burns: the 1992 Moyer Award - Rodeberg DA, Maschinot NE, Housinger TA, Warden GD - Shriners Burns Institute, Cincinnati, OH 45229.

A prospective, randomized comparison of the Volume Diffusive Respirator vs conventional ventilation for ventilation of burned children. 2001 ABA paper - Carman B, Cahill T, Warden G, McCall J - Shriners Burns Hospital, Cincinnati, Ohio, USA.

High-frequency ventilation in the treatment of infants weighing less than 1,500 grams with pulmonary interstitial emphysema: a pilot study - Gaylord MS, Quissell BJ, Lair ME.

Successful management of severe respiratory failure combining heliox with noninvasive high-frequency percussive ventilation - Stucki P, Scalfaro P, de Halleux Q, Vermeulen F, Rappaz I, Cotting J. - Paediatric Intensive Care Unit, CHUV University Hospital, Lausanne, Switzerland.

Lung compliance, airway resistance, and work of breathing in children after inhalation injury - Micak R, Cortiella J, Desai M, Herndon D. - Shriners Burns Institute, Galveston, Texas 77550, USA.


The usefulness of combined high-frequency percussive ventilation during acute respiratory failure after smoke inhalation - Reper P, Dankaert R, van Hille F, van Laeke P, Duinslaeger L, Vanderkelen A. - Burn Center Brussels, Queen Astrid Military Hospital, Brussels, Belgium.

Gas exchange during conventional and high-frequency pulse ventilation in the surfactant-deficient lung: influence of positive end-expiratory pressure - Jibelian G, Lachmann B.

Use of High-Frequency Percussive Ventilation in Inhalation Injuries - Hall JJ, Hunt JL, Arnoldo BD, Purdue GF. - From the Department of Surgery, Division of Trauma, Burns, and Critical Care, UT Southwestern Medical Center, Dallas, Texas.

High-frequency percussive ventilation in a pediatric patient with hydrocarbon aspiration - Mabe TG, Honeycutt T, Cairns BA, Kocis KC, Short KA. - From the Departments of Respiratory
Corrective measures for compromised oxygen delivery during endotracheal tube cuff deflation with high-frequency percussive ventilation - Allan PF, Naworol G. - Department of Respiratory Therapy, Wilford Hall Medical Center, 759th MCCP, 2200 Bergquist Drive, Lackland Air Force Base, TX 78236, USA.

Clinical and pathophysiologic problems associated with smoke inhalation injury - Shimazu T, Ogura H, Sugimoto H. - Department of Traumatology, Osaka University Medical School, Suita, Japan.

Airway clearance applications in the elderly and in patients with neurologic or neuromuscular compromise - Haas CF, Loik PS, Gay SE. - Critical Care Support Services, University of Michigan Hospitals and Health Centers, UH B1-H245, 1500 E Medical Center Drive, Ann Arbor, MI 48109-5024, USA.

High-frequency percussive ventilation attenuates lung injury in a rabbit model of gastric juice aspiration - Allardet-Servent J, Bregeon F, Delpierre S, Steinberg JG, Payan MJ, Ravailhe S, Papazian L. - Service de Réanimation Médicale, Hôpital Sainte-Marguerite, 270 Boulevard Sainte-Marguerite, 13274, Marseille Cedex 9, France;

II: I.P.V.:

Efficacy and safety of intrapulmonary percussive ventilation superimposed on conventional ventilation in obese patients with compression atelectasis - Tsuruta R, Kasaoka S, Okabayashi K, Maekawa T. - Advanced Medical Emergency and Critical Care Center, Yamaguchi University Hospital, Ube, Yamaguchi 755-8505, Japan.

Intrapulmonary percussive ventilation improves the outcome of patients with acute exacerbation of chronic obstructive pulmonary disease using a helmet - Antonaglia V, Lucangelo U, Zin WA, Peratoner A, De Simoni L, Capitanio G, Pascotto S, Gullo A - Department of Perioperative Medicine, Intensive Care and Emergency, Cattinara Hospital, Trieste University School of Medicine, Trieste, Italy.

Intrapulmonary percussive ventilation in tracheostomized patients: a randomized controlled trial - Clini EM, Antoni FD, Vitacca M, Crisafulli E, Paneroni M, Chezzi-Silva S, Moretti M, Trianni L, Fabbri LM. - Department of Pulmonary Rehabilitation, University of Modena, and Ospedale Villa Pineta, Via Gaiato 127, 41020, Pavullo, Italy.

Airway clearance in children with neuromuscular weakness - Panitch HB. - The University of Pennsylvania School of Medicine, The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, USA.
Physiological response to intrapulmonary percussive ventilation in stable COPD patients - Nava S, Barbarito N, Piaggi G, De Mattia E, Cirio S. - Respiratory Intensive Care Unit, Fondazione S. Maugeri, IRCCS, Istituto Scientifico di Pavia, Via Ferrata 8, 27100 Pavia, Italy.


Effect of intrapulmonary percussive ventilation in a severely disabled patient with persistent pulmonary consolidation - Wada N, Murayama K, Kaneko T, Kitazumi E. Department of Paediatrics, National Rehabilitation Center for Children with Disabilities, Tokyo.

Intrapulmonary percussive ventilation vs incentive spirometry for children with neuromuscular disease - Reardon CC, Christiansen D, Barnett ED, Cabral HJ. - Pulmonary Center, Boston University School of Medicine, Boston, MA 02118, USA.


A comparison of the therapeutic effectiveness of and preference for postural drainage and percussion, intrapulmonary percussive ventilation, and high-frequency chest wall compression in hospitalized cystic fibrosis patients - Varekojis SM, Douce FH, Flucke RL, Filbrun DA, Tice JS, McCoy KS, Castile RG. - Respiratory Therapy Division, The Ohio State University, Columbus 43210, USA.

A comparison of intrapulmonary percussive ventilation and conventional chest physiotherapy for the treatment of atelectasis in the pediatric patient - Deakins K, Chatburn RL. - Department of Respiratory Care, University Hospitals of Cleveland, 11100 Euclid Avenue, Cleveland, OH 44106, USA.

Physiotherapy for airway clearance in adults - Pryor JA. - Dept of Cystic Fibrosis, Royal Brompton & Harefield NHS Trust, London, UK.

Alternatives to percussion and postural drainage. A review of mucus clearance therapies: percussion and postural drainage, autogenic drainage, positive expiratory pressure, flutter valve, intrapulmonary percussive ventilation, and high-frequency chest compression with the ThAIRapy Vest. - Langenderfer B. - Respiratory Care Program, Northern Kentucky University, Highland Heights 41099, USA.

Persistent pulmonary consolidation treated with intrapulmonary percussive ventilation: a preliminary report - Birnkrant DJ, Pope JF, Lewarski J, Stegmaier J, Besunder JB. - MetroHealth Medical Center and Department of Pediatrics, Case Western Reserve University, School of Medicine, Cleveland, Ohio, USA.

The usefulness of combined high-frequency percussive ventilation during acute respiratory failure after smoke inhalation - Reper P, Dankaert R, van Hille F, van Laeke P.

Comparison of effects of an intrapulmonary percussive ventilator to standard aerosol and chest physiotherapy in treatment of cystic fibrosis - Homnick DN, White F, de Castro C. - Department of Pediatrics, Michigan State University, Kalamazoo Center for Medical Studies, USA

The intrapulmonary percussive ventilator and flutter device compared to standard chest physiotherapy in patients with cystic fibrosis - Newhouse PA, White F, Marks JH, Homnick DN. - Department of Pediatrics, Michigan State University, Kalamazoo Center for Medical Studies 49008, USA.

Atelectatic children treated with intrapulmonary percussive ventilation via a face mask: Clinical trial and literature overview - Yen Ha TK, Bui TD, Tran AT, Badin P, Toussaint M, Nguyen AT. - Department of Physiotherapy, Paediatric Hospital No. 1, Ho Chi Minh City, Vietnam.

Young's syndrome in the adult age: home treatment with a mechanical device of intrapulmonary percussive ventilation - Ruescas Escolano E, Chiner Vives E, Andreu Rodríguez AL, Camarasa Escrig A, Llombart Cantó M, Sancho Chust J. - Servicios de Neumología, Hospital Universitario San Juan de Alicante, Alicante.