

Tidal Volume

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Recent Publications on Tidal Volume:



- [Hemodynamic impact of a positive end-expiratory pressure setting in acute respiratory distress syndrome: Importance of the volume status*](#)
*OBJECTIVE:: The hemodynamic impact of positive end-expiratory pressure in...*21st November, 2009
- Crit Care Med. 2009 Nov 18. ([DOI Direct Link](#))
- [Manual ventilation devices in neonatal resuscitation: Tidal volume and positive pressure-provision.](#)
*BACKGROUND: Excessive peak inspiratory pressures (PIP) and high tidal...*21st November, 2009
Clinic of Neonatology, Charite Universitatsmedizin Berlin, Chariteplatz 1,- Resuscitation. 2009 Nov 16.
([DOI Direct Link](#))
- [Effects of mechanical ventilation and controlled spontaneous respiration on pulmonary function during short duration of general anesthesia with tracheal intubation.\]](#)
*OBJECTIVE: To evaluate the effects of mechanical ventilation on pulmonary...*20th November, 2009
Department of Anesthesia, Sixth Affiliated Hospital, Sun Yat-sen- Nan Fang Yi Ke Da Xue Xue Bao. 2009 Nov 20;29(11):2211-2214.
- [Protective ventilation to reduce inflammatory injury from one lung ventilation in a piglet model.](#)
*Objectives: To test the hypothesis that protective ventilation strategy...*19th November, 2009
Department of Anesthesiology and Critical Care Medicine, Alfred I. duPont- Paediatr Anaesth. 2009 Nov 16. ([DOI Direct Link](#))
- [Positive end-expiratory pressure in pressure-controlled ventilation improves ventilatory and oxygenation parameters during laparoscopic cholecystectomy.](#)
*BACKGROUND: During laparoscopy, pneumoperitoneum may result in...*17th November, 2009
Department of Anesthesiology and Pain Medicine, Anesthesia and Pain- Surg Endosc. 2009 Nov 14. ([DOI Direct Link](#))
- [Natural surfactant combined with beclomethasone decreases oxidative lung injury in the preterm lamb.](#)
*We performed a randomized study in preterm lambs to assess the hypothesis...*17th November, 2009
Department of Surgical and Medical Critical Care, Section of Neonatology,- Pediatr Pulmonol. 2009 Nov 12;44(12):1159-1167. ([DOI Direct Link](#))
- [Effects of Age on the Synergistic Interactions between Lipopolysaccharide and Mechanical Ventilation in Mice.](#)
*Rationale. Children have a lower incidence and mortality from acute lung...*11th November, 2009
Division of Pediatric Critical Care Medicine, Department of Pediatrics,- Am J Respir Cell Mol Biol. 2009 Nov 9. ([DOI Direct Link](#))
- [A MATLAB toolbox for correcting within-individual effects of respiration rate and tidal volume on respiratory sinus arrhythmia during variable breathing.](#)

*Respiratory sinus arrhythmia (RSA) is a common estimator of vagal outflow...*10th November, 2009
University of Wurzburg, Wurzburg, Germany.- Behav Res Methods. 2009 Nov;41(4):1121-6. ([DOI Direct Link](#))

- [The role of cholesterol in the biophysical dysfunction of surfactant in ventilator induced lung injury.](#)
*Mechanical ventilation may lead to an impairment of the endogenous...*10th November, 2009
The University of Western Ontario.- Am J Physiol Lung Cell Mol Physiol. 2009 Nov 6. ([DOI Direct Link](#))
- [Transient expiratory flow interruptions \(TEFI\) increase expiratory flow in acute asthma exacerbation.](#)
*We have shown that expiratory flows increase when expirations are rapidly...*10th November, 2009
Servicio de Neumonologia, Hospital Posadas, El Palomar, Buenos Aires.- Medicina (B Aires). 2009;69(5):507-512.
- [Comprehensive integrated spirometry using raised volume passive and forced expirations and multiple-breath nitrogen washout in infants.](#)
*With the rapid somatic growth and development in infants, simultaneous...*10th November, 2009
Department of Pediatrics, Pulmonary Medicine Section, College of Medicine,- Respir Physiol Neurobiol. 2009 Nov 6. ([DOI Direct Link](#))
- [Effects of auricular electrical stimulation on vagal activity in healthy men: Evidence from a three-armed randomized trial.](#)
*The activity of the vagus nerve is negatively associated with risk factors...*10th November, 2009
- Clin Sci (Lond). 2009 Nov 9. ([DOI Direct Link](#))
- [Neurally Adjusted Ventilatory Assist and Pressure Support Ventilation in Small Species and the Impact of Instrumental Dead Space.](#)
*Background: Neurally adjusted ventilatory assist (NAVA) is a...*6th November, 2009
Department of Anaesthesiology and Intensive Care, Karolinska Hospital and- Neonatology. 2009 Nov 4;97(3):279-285. ([DOI Direct Link](#))
- [Respiratory impedance during weaning from mechanical ventilation in a mixed population of critically ill patients.](#)
*BACKGROUND: Worsening of respiratory mechanics during a spontaneous...*6th November, 2009
Servicio de Neumologia, Instituto Clinico del Torax, Hospital Clinic de- Br J Anaesth. 2009 Dec;103(6):828-32. Epub 2009 Nov 3. ([DOI Direct Link](#))
- [Influence of different kind of clothing material on selected cardiovascular, respiratory and psychomotor parameters during moderate physical exercise.](#)
*Objectives: The aim of the experiment was to analyze the influence that...*6th November, 2009
Institute of Architecture of Textiles, Technical University of Lodz- Int J Occup Med Environ Health. 2009;22(3):215-26. ([DOI Direct Link](#))

Tidal Volume Patents:



- 7550480- [Compounds](#)
- 7570997- [Subcutaneous cardiac rhythm management with asystole prevention therapy](#)
- 7572225- [Sleep logbook](#)
- 7574369- [Data recording, billing, charges, and quality assurance software for mobile devices](#)
- 7575549- [Apparatus and method for increasing, monitoring, measuring, and controlling perspiratory water and solid loss at reduced ambient pressure](#)

- [7575553- Methods and systems for assessing pulmonary disease](#)
- [7575555- Docking station for retrieving data in conjunction with improved incentive spirometry devices](#)
- [7582300- Modulation of gamma delta T cells to regulate airway hyperresponsiveness](#)
- [7582617- Myocardial perfusion imaging method](#)
- [7584004- Vascularly stabilized peripheral nerve cuff assembly](#)
- [7584752- Device and process for controlling a respirator](#)
- [7568483- Patient interface with respiratory gas measurement component](#)
- [7567839- Self-calibrating rate-adaptive pacemaker](#)
- [7553487- Method and compositions for treating asthma](#)
- [7553823- C-pyrazole A2A receptor agonists](#)
- [7555335- Biopotential signal source separation using source impedances](#)
- [7558622- Mesh network stroke monitoring appliance](#)
- [7561923- Method and apparatus for controlling autonomic balance using neural stimulation](#)
- [7562656- Aerosol medication inhalation system](#)
- [7562657- Method and apparatus for non-invasive prediction of intrinsic positive end-expiratory pressure \(PEEP.sub.i\) in patients receiving ventilator support](#)
- [7565905- Apparatuses and methods for automatically assessing and monitoring a patient's responsiveness](#)
- [7565906- Pressure/flow control valve and system using same](#)
- [7566308- Method and apparatus for pulmonary artery pressure signal isolation](#)
- [7585500- Fully human monoclonal antibodies to IL-13](#)
- [7585839- Medical uses of intercellular communication facilitating compounds](#)
- [7588031- Measurement of a fluid parameter in a pressure support system](#)
- [7603631- Method and apparatus for monitoring dynamic systems using n-dimensional representations of critical functions](#)
- [7609810- Treatment-speed regulated tumor-tracking](#)
- [7610089- Implantable strain sensor for medical diagnostics](#)
- [7610094- Synergistic use of medical devices for detecting medical disorders](#)
- [7610914- MRI/NMR-compatible, tidal volume control and measurement systems, methods, and devices for respiratory and hyperpolarized gas delivery](#)
- [7611832- Human G protein-coupled receptor and modulators thereof for the treatment of ischemic heart disease and congestive heart failure](#)
- [7615568- Antithrombotic ethers](#)
- [7616988- System and method for detecting an involuntary muscle movement disorder](#)
- [7616991- Method for digital cardiac rhythm management](#)
- [7617003- System for selective activation of a nerve trunk using a transvascular reshaping lead](#)
- [7603170- Calibration of impedance monitoring of respiratory volumes using thoracic D.C. impedance](#)
- [7601337- Delivery of antipsychotics through an inhalation route](#)
- [7588032- Oxygen conservation system for commercial aircraft](#)
- [7588033- Methods, systems and devices for improving ventilation in a lung area](#)
- [7588543- Method and apparatus for predicting work of breathing](#)
- [7589123- Chemical compounds](#)
- [7590449- Patient signaling method for treating cardiovascular disease](#)
- [7590551- System and method for processing patient information](#)
- [7591265- Coordinated use of respiratory and cardiac therapies for sleep disordered breathing](#)
- [7592501- Methods for maintaining genetic stability of inbred animal strains](#)
- [7593772- Methods and devices to characterize the probability of successful defibrillation and determine treatments for ventricular fibrillation](#)
- [7596413- Coordinated therapy for disordered breathing including baroreflex modulation](#)
- [7618383- Neonatal chest brace and method of using same to prevent collapse of a chest wall](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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