Low lung volume alters contractile properties of airway smooth muscle in sheep

DOI: 10.1183/09031936.03.00099802
European Respiratory Journal, 2003, 22, 50-6.

#	Paper	IF	Citations
31	Lung volume: a principle determinant of airway smooth muscle function. *European Respiratory Journal*, **2003**, 22, 3-5	13.6	50
30	Expiratory flow limitation in morbidly obese postoperative mechanically ventilated patients. *Acta Anaesthesiologica Scandinavica*, **2004**, 48, 1080-8	1.9	44
29	Bronchospasm and its biophysical basis in airway smooth muscle. *Respiratory Research*, **2004**, 5, 2	7.3	52
28	Respiratory system responsiveness in rabbits in vivo is reduced by prolonged continuous positive airway pressure. *Journal of Applied Physiology*, **2005**, 99, 677-82	3.7	20
27	Effects of chest wall strapping on mechanical response to methacholine in humans. *Journal of Applied Physiology*, **2006**, 101, 430-8	3.7	30
26	[Obesity-induced respiratory dysfunction in children and juveniles]. *Deutsche Medizinische Wochenschrift*, **2006**, 131, 393-7	0	3
25	Airway smooth muscle dynamics: a common pathway of airway obstruction in asthma. *European Respiratory Journal*, **2007**, 29, 834-60	13.6	299
24	Mechanical response to methacholine and deep inspiration in supine men. *Journal of Applied Physiology*, **2007**, 102, 269-75	3.7	20
23	Closing volume: a reappraisal (1967-2007). *European Journal of Applied Physiology*, **2007**, 99, 567-83	3.4	105
22	Mechanisms of airway hyperresponsiveness in asthma. *Respirology*, **2008**, 13, 624-31	3.6	57
21	How should airway smooth muscle be punished for causing asthma?. *Journal of Applied Physiology*, **2008**, 104, 575-6	3.7	0
20	Pathophysiology of Chronic Obstructive Pulmonary Disease. *Current Respiratory Medicine Reviews*, **2008**, 4, 250-257	0.3	2
19	Pulmonary Complications of the Morbidly Obese Patient Admitted to the Medical Intensive Care Unit. *Clinical Pulmonary Medicine*, **2008**, 15, 97-105	0.3	2
18	Lung Mechanics in Disease. **2008**, 100-110		2
17	Mechanical effects of obesity on airway responsiveness in otherwise healthy humans. *Journal of Applied Physiology*, **2009**, 107, 408-16	3.7	41
16	Airway hyperresponsiveness with chest strapping: A matter of heterogeneity or reduced lung volume?. *Respiratory Physiology and Neurobiology*, **2009**, 166, 47-53	2.8	8
15	The irreversible component of persistent asthma. *Journal of Allergy and Clinical Immunology*, **2009**, 124, 883-90; quiz 891-2	11.5	28

14	Early growth response-1 suppresses epidermal growth factor receptor-mediated airway hyperresponsiveness and lung remodeling in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2009**, 41, 415-25	5.7	31
13	Can we cure airway hyperresponsiveness with a gym membership?. *Journal of Applied Physiology*, **2010**, 109, 267-8	3.7	1
12	Effects of exercise training on airway responsiveness and airway cells in healthy subjects. *Journal of Applied Physiology*, **2010**, 109, 288-94	3.7	10
11	Effects of exercise training on airway closure in asthmatics. *Journal of Applied Physiology*, **2012**, 113, 714-8	3.7	8
10	Modeling 18F-FDG kinetics during acute lung injury: experimental data and estimation errors. *PLoS ONE*, **2012**, 7, e47588	3.7	9
9	Effects of Exercise on the Airways. **2012**,		
8	Obesity and pulmonary disease: unanswered questions. *Obesity Reviews*, **2012**, 13, 822-33	10.6	21
7	Effects of Obesity on Airway Responsiveness. **2013**, 21-45		
6	Obesity and Lung Disease. **2013**,		4
5	Does smooth muscle in an intact airway undergo length adaptation during a sustained change in transmural pressure?. *Journal of Applied Physiology*, **2015**, 118, 533-43	3.7	9
4	Weight Loss Decreases Inherent and Allergic Methacholine Hyperresponsiveness in Mouse Models of Diet-Induced Obese Asthma. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 55, 176-87	5.7	20
3	Similar Airway Function after Volitional Hyperpnea in Mild-Moderate Asthmatics and Healthy Controls. *Respiration*, **2019**, 97, 558-568	3.7	2
2	Asthma and Lung Mechanics. *Comprehensive Physiology*, **2020**, 10, 975-1007	7.7	3
1	Continuous Positive Airway Pressure (CPAP) in Non-Apneic Asthma: A Clinical Review of Current Evidence. *Turkish Thoracic Journal*, **2020**, 21, 274-279	0.8	