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Effect of acute hypercapnia on limb muscle contractility in humans

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#	Paper	IF	Citations
43	Effect of inspiratory muscle fatigue on inspiratory muscle relaxation rates in healthy subjects. <i>Chest</i> , 1992 , 102, 1767-73	5.3	17
42	Permissive hypercapnia. How permissive should we be?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1994 , 150, 1722-37	10.2	359
41	Mechanisms for diaphragmatic fatigue following high-intensity leg exercise. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1996 , 154, 1484-9	10.2	24
40	Effect of acute hypercapnia on diaphragmatic and limb muscle contractility. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 155, 1590-5	10.2	36
39	Noninvasive positive pressure ventilation and not oxygen may prevent overt ventilatory failure in patients with chest wall diseases. <i>Chest</i> , 1997 , 112, 207-13	5.3	108
38	Effect of hypercapnia on maximal voluntary ventilation and diaphragm fatigue in normal humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999 , 160, 1567-71	10.2	33
37	Muscle dysfunction in the intensive care unit. <i>Clinics in Chest Medicine</i> , 1999 , 20, 435-52	5.3	18
36	Oxygen-carrying capacity during 10 hours of hypercapnia in ventilated dogs. <i>Critical Care Medicine</i> , 2000 , 28, 1918-23	1.4	29
35	Skeletal muscle dysfunction in chronic obstructive pulmonary disease. <i>Respiratory Research</i> , 2001 , 2, 216-24	7.3	134
34	Permissive hypercapnia in neonates: the case of the good, the bad, and the ugly. <i>Pediatric Pulmonology</i> , 2002 , 33, 56-64	3.5	45
33	Acute respiratory failure from abused substances. <i>Journal of Intensive Care Medicine</i> , 2004 , 19, 183-93	3.3	60
32	Hypercapnic impairment of neuromuscular function is related to afferent depression. <i>European Journal of Applied Physiology</i> , 2004 , 91, 105-10	3.4	12
31	Carbon dioxide depresses the F wave by a central, not peripheral, mechanism during isoflurane anesthesia. <i>Anesthesia and Analgesia</i> , 2005 , 100, 398-403	3.9	2
30	Effect of hypercapnia on changes in blood pH, plasma lactate and ammonia due to exercise. <i>European Journal of Applied Physiology</i> , 2005 , 95, 400-8	3.4	16
29	Volitional hyperventilation during ramp exercise to exhaustion. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006 , 31, 211-7	3	6
28	Physiological effects of hyperchloraemia and acidosis. <i>British Journal of Anaesthesia</i> , 2008 , 101, 141-50	5.4	106
27	Acute hypercapnia improves indices of tissue oxygenation more than dobutamine in septic shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 178-83	10.2	48

26	Skeletal Muscle in Chronic Obstructive Pulmonary Disease. <i>Clinical Pulmonary Medicine</i> , 2009 , 16, 61-67	0.3	
25	Skeletal muscle dysfunction in COPD: clinical and laboratory observations. <i>Clinical Science</i> , 2009 , 117, 251-64	6.5	58
24	Influence of different breathing frequencies on the severity of inspiratory muscle fatigue induced by high-intensity front crawl swimming. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 1169-74	3.2	22
23	Bases fisiopatológicas del entrenamiento muscular en pacientes con enfermedad pulmonar obstructiva crónica. <i>Revista Chilena De Enfermedades Respiratorias</i> , 2011 , 27, 80-93	0.8	1
22	De Gruyter. <i>Human Movement</i> , 2011 , 12,	0.8	2
21	Does cerebral oxygen delivery limit incremental exercise performance?. <i>Journal of Applied Physiology</i> , 2011 , 111, 1727-34	3.7	63
20	Implications of group III and IV muscle afferents for high-intensity endurance exercise performance in humans. <i>Journal of Physiology</i> , 2011 , 589, 5299-309	3.9	170
19	Rehabilitation and acute exacerbations. <i>European Respiratory Journal</i> , 2011 , 38, 702-12	13.6	36
18	Skeletal Muscle Dysfunction and Pulmonary Rehabilitation in COPD. <i>Clinical Pulmonary Medicine</i> , 2012 , 19, 153-158	0.3	1
17	Molecular mechanisms of intensive care unit-acquired weakness. <i>European Respiratory Journal</i> , 2012 , 39, 1000-11	13.6	45
16	The influence of respiratory acid-base changes on muscle performance and excitability of the sarcolemma during strenuous intermittent hand grip exercise. <i>Journal of Applied Physiology</i> , 2012 , 112, 571-9	3.7	8
15	Mechanisms of striated muscle dysfunction during acute exacerbations of COPD. <i>Journal of Applied Physiology</i> , 2013 , 114, 1291-9	3.7	40
14	Skeletal muscle mitochondrial dysfunction during chronic obstructive pulmonary disease: central actor and therapeutic target. <i>Experimental Physiology</i> , 2013 , 98, 1063-78	2.4	63
13	Admission prevention in COPD: non-pharmacological management. <i>BMC Medicine</i> , 2013 , 11, 247	11.4	12
12	Age, aerobic fitness, and cerebral perfusion during exercise: role of carbon dioxide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H515-23	5.2	20
11	8th International conference on management and rehabilitation of chronic respiratory failure: the long summaries [part 2. <i>Multidisciplinary Respiratory Medicine</i> , 2015 , 10,	3	78
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6	Effects of hypercapnia in acute respiratory distress syndrome. <i>Annals of Translational Medicine</i> , 2018 , 6, 37	3.2	6
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2	The effect of additional dead space on respiratory exchange ratio and carbon dioxide production due to training. <i>Journal of Sports Science and Medicine</i> , 2014 , 13, 36-43	2.7	9
1	CO ₂ -Enriched Air Inhalation Modulates the Ventilatory and Metabolic Responses of Endurance Runners During Incremental Running Under Hypobaric Hypoxia. <i>High Altitude Medicine and Biology</i> ,	1.9	