

Wissenschaftliche Publikationen – Scientific Publications

Hintergründe Atmungsmuskulatur – Basics on Respiratory Muscles

B1.07	<p>Vogiatzis I, Athanasopoulos D, Habazettl H, Kuebler WM, Wagner H et al. <u>Intercostal muscle blood flow limitation in athletes during maximal exercise</u> Departement of Critical Care Medicine and Pulmonary Services, University of Athens, Greece <i>J Physiol</i>, 587: 3665-77, 2009</p>
B1.06	<p>Verges S, Kruttli U, Stahl B, Frigg R, Spengler CM <u>Expiratory muscle fatigue impairs exercise performance</u> Exercise Physiology, Institute of Human Movement Sciences, ETH Zurich, Switzerland <i>Eur J Appl Physiol</i>, 101: 225-32, 2007</p>
B1.05	<p>Dempsey JA, Romer L, Rodman J, Miller J, Smith C <u>Consequences of exercise-induced respiratory muscle work</u> John Rankin Laboratory of Pulmonary Medicine, Department of Population Health Sciences, University of Wisconsin, Madison, USA <i>Respir Physiol Neurobiol</i>, 151:242-50, 2006</p>
B1.04	<p>Romer L, Lovering AT, Haverkamp HC, Pegelow DF, Dempsey JA <u>Effect of inspiratory muscle work on peripheral fatigue of locomotor muscles in healthy humans</u> John Rankin Laboratory of Pulmonary Medicine, Department of Population Health Sciences, University of Wisconsin, Madison, USA <i>J Physiol</i>, 571: 425-439, 2006</p>
B1.03	<p>Dempsey JA, Sheel AW, St. Croix CM, Morgan BJ <u>Respiratory influences on sympathetic vasomotor outflow in humans</u> John Rankin Laboratory of Pulmonary Medicine, Department of Population Health Sciences, University of Wisconsin, Madison, USA <i>Respir Physiol Neurobiol</i>, 130: 3-20, 2002</p>
B1.02	<p>Seals DR <u>Robin Hood for the lungs? A respiratory metaboreflex that 'steals' blood from locomotor muscles</u> Department of Kinesiology and Applied Physiology, University of Colorado, Boulder, USA <i>J Physiol</i>, 537:1, 2001</p>
B1.01	<p>Perret C, Spengler CM, Egger G, Boutellier U <u>Influence of endurance exercise on respiratory muscle performance</u> Exercise Physiology, Institute of Human Movement Sciences, ETH Zurich, Switzerland <i>Med Sci Sports Exerc</i>, 32(12): 2052 – 2058, 2000</p>

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B1.00	<p>Johnson BD, Babcock MA, Suman OE, Dempsey JA</p> <p><u>Exercise-induced diaphragmatic fatigue in healthy humans</u></p> <p>John Rankin Laboratory of Pulmonary Medicine, Department of Preventive Medicine, University of Wisconsin, Madison, USA</p> <p><i>J Physiol</i>, 460: 385-405, 1993</p>
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Atemmuskeltherapie bei spezifischen Patientengruppen
Respiratory Muscle Therapy in Specific Groups of Patients

**C1 Chronisch Obstruktive Lungenerkrankung (COPD)
Chronic Obstructive Pulmonary Disease (COPD)**

C1.03	Gosselink R, De Vos J, van den Heuvel SP, Segers J, Decramer M, Kwakkel G <u>Impact of inspiratory muscle training in patients with COPD: what is the evidence?</u> University Hospitals KU Leuven, Respiratory Rehabilitation and Respiratory Division, Belgium <i>Eur Respir J</i> , 37: 416-425, 2011
C1.02	Geddes EL, O'Brien K, Reid WD, Brooks D, Crowe J <u>Inspiratory muscle training in adults with chronic obstructive pulmonary disease: An update of a systematic review</u> School of Rehabilitation Science, Institute of Applied Health Science, McMaster University, Hamilton, Canada <i>Respir Med</i> 102: 1715-29, 2008
C1.01	Boutellier U <u>Wirkungen eines Atmungstrainings bei COPD unter spezieller Berücksichtigung des Atmungsausdauertrainings (SpiroTiger®)</u> Exercise Physiology, Institute of Human Movement Sciences, ETH Zurich, Switzerland <i>Übersichtsartikel</i> , 2007
C1.00	Scherer TA, Spengler CM, Owassapian D, Imhof E, Boutellier U <u>Respiratory muscle endurance training in chronic obstructive pulmonary disease</u> Department of Internal Medicine, Triemli Hospital, Zurich, Switzerland <i>Am J Respir Crit Care Med</i> , 162: 1709-1714, 2000

C2 Cystische Fibrose – Cystic Fibrosis (CF)

C2.01	Sartori R, Barbi E, Poli F, Ronfani L, Marchetti F, Amaddeo A, Ventura A <u>Respiratory training with a specific device in cystic fibrosis: A prospective study</u> Clinica Pediatrica, University of Trieste, Italy <i>J Cyst Fibros</i> , 7 (4): 313 – 319, 2008
C2.00	Kamin W <u>Improved pulmonary function and increased sputum expectoration in CF patients after additional training with SpiroTiger® compared to supervised conventional physiotherapy alone</u> Pediatrics Pneumology, University of Mainz, Germany <i>Eur Resp J</i> , 28, Suppl. 50, 7169, 2006

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C3 Neuromuskuläre Erkrankungen – Neuromuscular Disorders

C3.01	<p>Rassler B, Marx G, Hallebach S, Kalischewski P, Baumann I</p> <p><u>Long-term respiratory muscle endurance training in patients with myasthenia gravis: first results after four months of training</u></p> <p>Carl Ludwig Institute of Physiology, University of Leipzig, Germany</p> <p><i>Autoimmune Dis, Jul 7, 2011 [Epub]</i></p>
C3.00	<p>Rassler B, Hallebach G, Kalischewski P, Baumann I, Schauer J, Spengler CM</p> <p><u>The effect of respiratory muscle endurance training in patients with myasthenia gravis</u></p> <p>Carl Ludwig Institute of Physiology, University of Leipzig, Germany</p> <p><i>Neuromuscul Disord, 17 (5): 385-391, 2007</i></p>

C4 Querschnittlähmung – Spinal Cord Injuries

C4.03	<p>Vergès S, Flore P, Nantermoz G, Lafaix PA, Wuyam B</p> <p><u>Respiratory muscle training in athletes with spinal cord injury</u></p> <p>Exercise Research Unit and REX-S Laboratory CHU and Joseph Fourier University, Grenoble, France</p> <p><i>Int J Sports Med, 30: 1 - 7, 2009</i></p>
C4.02	<p>Mueller G, Perret C, Hopman MTE</p> <p><u>Effects of respiratory muscle endurance training on wheelchair racing performance in athletes with paraplegia: a pilot study</u></p> <p>Swiss Paraplegic Research, Nottwil, Switzerland</p> <p><i>Clin J Sport Med, 18: 85 - 88, 2008</i></p>
C4.01	<p>Van Houtte S, Vanlandewijck Y, Kiekens C, Spengler CM, Gosselink R</p> <p><u>Patients with acute spinal cord injury benefit from normocapnic hyperpnoea training</u></p> <p>Department of Rehabilitation Sciences, Katholieke Universiteit Leuven, Belgium</p> <p><i>J Rehabil Med, 40: 119 – 125, 2008</i></p>
C4.00	<p>Mueller G, Perret C, Spengler CM</p> <p><u>Optimal intensity for respiratory muscle endurance training in patients with spinal cord injury</u></p> <p>Swiss Paraplegic Research, Nottwil, Switzerland</p> <p><i>J Rehabil Med, 38: 381 – 386, 2006</i></p>

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C5 Krebs – Cancer

C5.00	<p>Hanusch K, Dörnhofer M, Süsse B, Feldhaus S</p> <p>Physiotherapeutisches Behandlungskonzept onkologischer Patienten während chemotherapeutischer Interventionen</p> <p>Aeskulap Clinic, Brunnen, Switzerland</p> <p><i>Zeitschrift Medizin für die Frau, 2: 42-46, 2007</i></p>
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C6 Schnarchen – Snoring

C6.00	<p>Furrer-Boschung E</p> <p>Training der Atmungsmuskulatur als Therapie des Schnarchens</p> <p>Department of Pneumology, Lindenhofspital Bern, Switzerland</p> <p><i>Dissertation Med. Fakultät der Universität Zürich (CH), 1997</i></p>
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C7 Übergewicht – Overweight

C7.02	<p>Sartorio A, Agosti F, Patrizi A, Gattico A, Tringali G, Giunta M, Muller EE, Rigamonti AE</p> <p><u>GH and cortisol responses following an acute session of respiratory muscle endurance training in severely obese patients</u></p> <p>Istituto Auxologico Italiano, IRCCS, Experimental Laboratory for Auxo-endocrinological Research, Milan and Verbania, Italy</p> <p><i>Horm Metab Res, 45: 239-44, 2013</i></p>
C7.01	<p>Frank I, Briggs R, Spengler CM</p> <p><u>Respiratory muscles, exercise performance, and health in overweight and obese subjects</u></p> <p>Exercise Physiology, Institute of Human Movement Sciences, ETH Zurich, Switzerland</p> <p><i>Med Sci Sports Exerc, 43: 714-27, 2011</i></p>
C7.00	<p>Villiot-Danger JC, Villiot-Danger E, Borel JC, Pépin JL, Wuyam B, Vergès S</p> <p><u>Respiratory muscle endurance training in obese patients</u></p> <p>HP2 Laboratory / Joseph Fourier University / Grenoble University Hospital, France</p> <p><i>Int J Obes, 35: 692-9, 2011</i></p>

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