
Unterstützte Forschungsprojekte

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Von LUNGE ZÜRICH unterstützte Forschungsprojekte

COPD

- 2025, Kuhn M, Clarenbach C, Kläy A, et al., *The acute cardiorespiratory response to blood flow restriction strength exercise in patients with COPD: a randomized crossover trial*, European Respiratory Journal, [Abstract](#)
- 2023, Steurer-Stey C, Dalla Lana K, Strassmann A, et al., *Development of a communication instrument to address sexuality in COPD: COSY, Chronic Obstr Pulm Dis*, [Abstract](#)
- 2019, Furian M, Buergin A, Scheiwiller PM, et al., *Prevention of altitude-related illness in patients with COPD by acetazolamide*, European Respiratory Journal, [Abstract](#)
- 2019, Grischott T, Falcato L, Senn O, et al., *Chronic obstructive pulmonary disease (COPD) among opioid-dependent patients in agonist treatment*, Addiction, [Abstract](#)
- 2019, Frei A, Radtke T, Dalla Lana K, et al., *Effects of a long-term home-based exercise training programme using minimal equipment vs. usual care in COPD patients*, BMC Pulm Med., [Abstract](#)
- 2017, Crook S, Büsching G, Schultz K, et al., *A multicentre validation of the 1-min sit-to-stand test in patients with COPD*, Eur Respir J., [Abstract](#)
- 2016, Frei A, Siebeling L, Wolters C, et al., *The Inaccuracy of Patient Recall for COPD Exacerbation Rate Estimation and Its Implications: Results from Central Adjudication*, Chest, [Abstract](#)
- 2016, Yu T, Frei A, Ter Riet G, et al., *Determinants of Physical Activity in Patients with Chronic Obstructive Pulmonary Disease*, Respiration, [Abstract](#)
- 2016, Sievi NA, Clarenbach CF, Kohler M, *Chronic Obstructive Pulmonary Disease and Cardiac Repolarization*, Respiration, [Abstract](#)
- 2016, Burtin C, Ter Riet G, Puhan MA, et al., *Handgrip weakness and mortality risk in COPD*, Thorax, [Abstract](#)
- 2015, Sievi NA, Franzen D, Kohler M, et al., *Physical inactivity and arterial stiffness in COPD*, Int J Chron Obstruct Pulmon Dis., [Abstract](#)
- 2015, Puhan MA, Yu T, Boyd CM, et al., *Quantitative benefit-harm assessment for setting research priorities: the example of roflumilast for patients with COPD*, BMC Med., [Abstract](#)

- 2015, Clarenbach CF, Sievi NA, Brock M, et al., *Lung Volume Reduction Surgery and Improvement of Endothelial Function and Blood Pressure in Patients with Chronic Obstructive Pulmonary Disease*, Am J Respir Crit Care Med., [Abstract](#)
- 2015, Soriano JB, Lamprecht B, Ramírez AS, et al., *Mortality prediction in chronic obstructive pulmonary disease comparing the GOLD 2007 and 2011 staging systems*, Lancet Respir Med., [Abstract](#)
- 2015, Sievi NA, Senn O, Brack T, et al., *Impact of comorbidities on physical activity in COPD*, Respirology, [Abstract](#)
- 2015, Schönmann M, Sievi NA, Clarenbach CF, et al., *Physical activity and the frequency of acute exacerbations in patients with chronic obstructive pulmonary disease*, Lung, [Abstract](#)
- 2014, Fossati L, Müller-Mottet S, Hasler E, et al., *Long-term effect of vasodilator therapy in pulmonary hypertension due to COPD*, Lung, [Abstract](#)
- 2014, Siebeling L, Musoro JZ, Geskus RB, et al., *Prediction of COPD-specific health-related quality of life in primary care COPD patients*, NPJ Prim Care Respir Med., [Abstract](#)
- 2014, Abu Hussein N, Ter Riet G, Schoenenberger L, et al., *The ADO index as a predictor of two-year mortality in general practice-based chronic obstructive pulmonary disease cohorts*, Respiration, [Abstract](#)
- 2014, Frei A, Muggensturm P, Putcha N, et al., *Five comorbidities reflected the health status in patients with chronic obstructive pulmonary disease: the newly developed COMCOLD index*, J Clin Epidemiol., [Abstract](#)
- 2014, Puhan MA, Siebeling L, Frei A, et al., *No association of 25-hydroxyvitamin D with exacerbations in primary care patients with COPD*, Chest, [Abstract](#)
- 2014, Yu T, Fain K, Boyd CM, et al., *Benefits and harms of roflumilast in moderate to severe COPD*, Thorax, [Abstract](#)
- 2013, Puhan MA, Siebeling L, Zoller M, et al., *Simple functional performance tests and mortality in COPD*, Eur Respir J., [Abstract](#)
- 2011, Siebeling L, Puhan MA, Muggensturm P, et al., *Characteristics of Dutch and Swiss primary care COPD patients – baseline data of the ICE COLD ERIC study*, Clin Epidemiol., [Abstract](#)
- 2009, Siebeling L, ter Riet G, van der Wal WM, et al., *ICE COLD ERIC – International collaborative effort on chronic obstructive lung disease: exacerbation risk index*, BMC Pulm Med., [Abstract](#)

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CPAP

- 2020, West EA, Strassmann A, Wang C, et al., *Increase in Airway Obstruction between 1993 and 2012 in Switzerland*, Ann Am Thorac Soc., [Abstract](#)
- 2019, Thiel S, Lettau F, Rejmer P, et al., *Effects of short-term continuous positive airway pressure withdrawal on cerebral vascular reactivity measured by blood oxygen level-dependent magnetic resonance imaging in obstructive sleep apnoea*, Eur Respir J., [Abstract](#)
- 2018, Bloch KE, Huber F, Furian M, et al., *Autoadjusted versus fixed CPAP for obstructive sleep apnoea*, Thorax, [Abstract](#)
- 2016, Bloch KE, Latshang TD, Ulrich S, *Patients with Obstructive Sleep Apnea at Altitude*, High Alt Med Biol., [Abstract](#)
- 2014, Ulrich S, Nussbaumer-Ochsner Y, Vasic I, et al., *Cerebral oxygenation in patients with OSA: effects of hypoxia at altitude and impact of acetazolamide*, Chest, [Abstract](#)
- 2014, Stadelmann K, Latshang TD, Nussbaumer-Ochsner Y, et al., *Impact of acetazolamide and CPAP on cortical activity in obstructive sleep apnea patients*, PLoS One, [Abstract](#)
- 2012, Latshang TD, Nussbaumer-Ochsner Y, Henn RM, et al. *Effect of acetazolamide and autoCPAP therapy on breathing disturbances among patients with obstructive sleep apnea syndrome who travel to altitude*, JAMA, [Abstract](#)
- 2012, Nussbaumer-Ochsner Y, Latshang TD, Ulrich S, et al., *Patients with obstructive sleep apnea syndrome benefit from acetazolamide during an altitude sojourn*, Chest, [Abstract](#)

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Cystische Fibrose

- 2025, Urquhart DS, Hebestreit H, Radtke T, et al., *Feasibility and inter-reporter variability of submaximal outcomes derived from cardiopulmonary exercise testing in people with advanced cystic fibrosis lung disease*, ERJ Open Res., [Abstract](#)
- 2024, Radtke T, Urquhart DS, Braun J, et al., *Cardiopulmonary Exercise Testing Provides Prognostic Information in Advanced Cystic Fibrosis Lung Disease*, Ann Am Thorac Soc., [Abstract](#)
- 2018, Martini K, Gygax CM, Benden C, et al., *Volumetric dynamic oxygen-enhanced MRI (OE-MRI): comparison with CT Brody score and lung function in cystic fibrosis patients*, Eur Radiol., [Abstract](#)

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- 2019, Lichtblau M, Latshang TD, Furian M, et al., *Right and Left Heart Function in Lowlanders with COPD at Altitude*, Respiration, [Abstract](#)
- 2015, Bloch KE, Buenzli JC, Latshang TD, et al., *Sleep at high altitude: guesses and facts*, J Appl Physiol., [Abstract](#)
- 2015, Stadelmann K, Latshang TD, Lo Cascio CM, et al., *Impaired postural control in healthy men at moderate altitude (1630 m and 2590 m)*, PLoS One, [Abstract](#)
- 2013, Latshang TD, Lo Cascio CM, Stöwhas AC, et al., *Are nocturnal breathing, sleep, and cognitive performance impaired at moderate altitude (1,630-2,590 m)?*, Sleep, [Abstract](#)
- 2012, Nussbaumer-Ochsner Y, Schuepfer N, Ursprung J et al., *Sleep and breathing in high altitude pulmonary edema susceptible subjects at 4,559 meters*, Sleep, [Abstract](#)
- 2012, Clarenbach CF, Senn O, Christ AL, et al., *Lung function and breathing pattern in subjects developing high altitude pulmonary edema*, PLoS One, [Abstract](#)
- 2011, Nussbaumer-Ochsner Y, Schuepfer N, Siebenmann C, et al., *High altitude sleep disturbances monitored by actigraphy and polysomnography*, High Alt Med Biol., [Abstract](#)
- 2011, Latshang TD, Turk AJ, Hess T, et al., *Acclimatization improves submaximal exercise economy at 5533 m*, Scand J Med Sci Sports, [Abstract](#)

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Lungenoperationen

- 2019, Speck NE, Probst-Müller E, Haile SR, et al., *Bronchoalveolar lavage cytokines are of minor value to diagnose complications following lung transplantation*, Cytokine, [Abstract](#)
- 2018, Caviezel C, Schaffter N, Schneiter D, et al., *Outcome After Lung Volume Reduction Surgery in Patients With Severely Impaired Diffusion Capacity*, Ann Thorac Surg., [Abstract](#)
- 2017, Yamada Y, Iskender I, Arni S, et al., *Ex vivo treatment with inhaled N-acetylcysteine in porcine lung transplantation*, J Surg Res, [Abstract](#)
- 2016, Beck-Schimmer B, Bonvini JM, Braun J, et al., *Which Anesthesia Regimen Is Best to Reduce Morbidity and Mortality in Lung Surgery?*, Anesthesiology, [Abstract](#)
- 2016, Seiler A, Klaghofer R, Drabe N, et al., *Patients' Early Post-Operative Experiences with Lung Transplantation*, Patient, [Abstract](#)
- 2015, Seiler A, Jenewein J, Martin-Soelch C, et al., *Post-transplant outcome-clusters of psychological distress and health-related quality of life in lung transplant recipients*, Swiss Med Wkly., [Abstract](#)

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Pulmonale Hypertonie

- 2019, Berlier C, Bader P, Saxer S, et al., *Right heart catheterization hemodynamics at rest and exercise in supine versus upright position with focus on pulmonary hypertension*, European Respiratory Journal, [Abstract](#)
- 2017, Ulrich S, Schneider SR, Bloch KE, *Effect of hypoxia and hyperoxia on exercise performance in healthy individuals and in patients with pulmonary hypertension*, J Appl Physiol, [Abstract](#)
- 2017, Brock M, Hottinger S, Diebold M, et al., *Low tissue levels of miR-125b predict malignancy in solitary fibrous tumors of the pleura*, Respir Res., [Abstract](#)
- 2017, Latshang TD, Furian M, Aeschbacher SS, et al., *Association between sleep apnoea and pulmonary hypertension in Kyrgyz highlanders*, Eur Respir J., [Abstract](#)
- 2016, Somaini G, Hasler ED, Saxer S, et al., *Prevalence of Anxiety and Depression in Pulmonary Hypertension and Changes during Therapy*, Respiration, [Abstract](#)
- 2016, Hasler ED, Müller-Mottet S, Furian M, et al., *Pressure-Flow During Exercise Catheterization Predicts Survival in Pulmonary Hypertension*, Chest, [Abstract](#)
- 2015, Somaini G, Stamm A, Müller-Mottet S, et al., *Disease-Targeted Treatment Improves Cognitive Function in Patients with Precapillary Pulmonary Hypertension*, Respiration, [Abstract](#)
- 2015, Furian M, Latshang TD, Aeschbacher SS, et al., *Cerebral oxygenation in highlanders with and without high-altitude pulmonary hypertension*, Exp Physiol., [Abstract](#)
- 2015, Huber LC, Ulrich S, Leuenberger C, et al., *MicroRNA-125a in pulmonary hypertension: Regulator of a proliferative phenotype of endothelial cells*, Exp Biol Med., [Abstract](#)
- 2015, Brock M, Haider TJ, Vogel J, et al., *The hypoxia-induced microRNA-130a controls pulmonary smooth muscle cell proliferation by directly targeting CDKN1A*, Int J Biochem Cell Biol., [Abstract](#)

- 2014, Müller-Mottet S, Hildenbrand FF, Keusch S, et al., *Effects of exercise and vasodilators on cerebral tissue oxygenation in pulmonary hypertension*, Lung, [Abstract](#)
- 2014, Keusch S, Bucher A, Müller-Mottet S, et al., *Experience with exercise right heart catheterization in the diagnosis of pulmonary hypertension*, Multidiscip Respir Med., [Abstract](#)
- 2014, Schumacher DS, Müller-Mottet S, Hasler ED, et al., *Effect of oxygen and acetazolamide on nocturnal cardiac conduction, repolarization, and arrhythmias in precapillary pulmonary hypertension and sleep-disturbed breathing*, Chest, [Abstract](#)
- 2014, Keusch S, Hildenbrand FF, Bollmann T, et al., *Tobacco smoke exposure in pulmonary arterial and thromboembolic pulmonary hypertension*, Respiration, [Abstract](#)
- 2014, Groth A, Vrugt B, Brock M, et al., *Inflammatory cytokines in pulmonary hypertension*, Respir Res., [Abstract](#)
- 2013, Brockmann, M, Huber, LC, *Vascular remodeling in Hypoxia- induced pulmonary hypertension: Role of Cytokines and MicroRNAs*, PVRI Review, [Abstract](#)
- 2013, Ulrich S, Keusch S, Hildenbrand FF, et al., *Effect of nocturnal oxygen and acetazolamide on exercise performance in patients with pre-capillary pulmonary hypertension and sleep-disturbed breathing*, Eur Heart J., [Abstract](#)
- 2013, Ulrich S, Fischler M, Speich R, et al., *Wrist actigraphy predicts outcome in patients with pulmonary hypertension*, Respiration, [Abstract](#)

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Rauchen

- 2020, Mozun R, Ardura-Garcia C, de Jong CCM, et al., *Cigarette, shisha, and electronic smoking and respiratory symptoms in Swiss children: The LUIS study*, *Pediatr Pulmonol.*, [Abstract](#)

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Seltene Krankheiten

- 2017, Gaisl T, Giunta C, Bratton DJ, et al., *Obstructive sleep apnoea and quality of life in Ehlers-Danlos syndrome*, Thorax, [Abstract](#)
- 2014, Lo Cascio CM, Latshang TD, Kohler M, et al., *Severe metabolic acidosis in adult patients with Duchenne muscular dystrophy*, Respiration, [Abstract](#)

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Tuberkulose

- 2018, Sekaggya-Wiltshire C, von Braun A, Lamorde M, et al., *Delayed Sputum Culture Conversion in Tuberculosis-Human Immunodeficiency Virus-Coinfected Patients With Low Isoniazid and Rifampicin Concentrations*, Clin Infect Dis., [Abstract](#)
- 2017, Sekaggya-Wiltshire C, Castelnuovo B, von Braun A, et al., *Cohort profile of a study on outcomes related to tuberculosis and antiretroviral drug concentrations in Uganda: design, methods and patient characteristics of the SOUTH study*, BMJ Open, [Abstract](#)

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Verschiedenes

- 2017, Martini K, Barth BK, Higashigaito K, et al., *Dose-Optimized Computed Tomography for Screening and Follow-Up of Solid Pulmonary Nodules in Obesity*, Curr Probl Diagn Radiol., [Abstract](#)
- 2014, Musoro JZ, Zwinderman AH, Puhan MA, et al., *Validation of prediction models based on lasso regression with multiply imputed data*, BMC Med Res Methodol., [Abstract](#)
- 2013, Wäckerlin A, Jehle B, *Luftibus im Schulhaus Teil: Luftqualität in Schulräumen*, Untersuchungsbericht, [Abstract](#)