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Bereiche

Pneumologie und Schlafmedizin

Publikationen (80)

Otto-Knapp R, Bauer T, Brinkmann F, Feiterna-Sperling C, Friesen I, Geerdes-Fenge H, Hartmann P, Häcker B, Hauer B, Haas W, Heyckendorf J, Kuhns M, Lange C, Maurer F, Nienhaus A, Priwitzer M, Richter E, Salzer H, Schoch O, Schönfeld N, Schaberg T. [Treatment of MDR, pre-XDR, XDR and rifampicin resistant tuberculosis or in case of intolerance to at least rifampicin in Austria, Germany and Switzerland – Amendment dated 19.09.2023 to the Sk2-Guideline: Tuberculosis in adulthood of the German Central Committee against Tuberculosis (DZK) on behalf of the German Respiratory Society (DGP)]. *Pneumologie* 2023

Gasser N, Fritschi N, Egger J, Ritz N, Schoch O, Zellweger J. Tuberculosis Case Detection and Guideline Adherence among Child Contacts in Switzerland: A Retrospective Observational Study. *Respiration* 2023; 102:934-943.

Pohle S, Guler S, Hostettler K, Clarenbach C, Fellrath J, Azzola A, Adler D, Scholtze D, Nikolay P, Ulrich S, Györik S, Schoch O, Baty F, Funke-Chambour M, Brutsche M, Swiss Special Interest Group Interstitial and Rare Lung Diseases, Swiss Society of Pulmonology. Swiss Hypersensitivity Pneumonitis Exposure Questionnaire: A Regionally Adapted and Easy-To-Use Aide for Patients and Clinicians. *Respiration* 2023:1-3.

Schaberg T, Brinkmann F, Feiterna-Sperling C, Geerdes-Fenge H, Hartmann P, Häcker B, Hauer B, Haas W, Heyckendorf J, Lange C, Maurer F, Nienhaus A, Otto-Knapp R, Priwitzer M, Richter E, Salzer H, Schoch O, Schönfeld N, Stahlmann R, Bauer T. [Tuberculosis in adulthood - The Sk2-Guideline of the German Central Committee against Tuberculosis (DZK) and the German Respiratory Society (DGP) for the diagnosis and treatment of adult tuberculosis patients]. *Pneumologie* 2022; 76:727-819.

Minotti B, Brenner R, Desbiolles L, Osterwalder J, Schoch O, Ammann P. Electrocardiographic alterations by pneumothorax: a case-control study with review of the literature. *Swiss Medical Weekly* 2021; 151

Minotti B, Brenner R, Desbiolles L, Osterwalder J, Schoch O, Ammann P. Electrocardiographic alterations by pneumothorax: a case-control study with review of the literature. *Swiss Med Wkly* 2021; 151:w30041.

Koegelenberg C, Schoch O, Lange C. Tuberculosis: The Past, the Present and the Future. *Respiration* 2021; 100:553-556.

Huber F, Thurnheer R, Laube I, Schoch O, Turk A, Nussbaumer-Ochsner Y, Latshang T, Kohler M, Furian M, Bloch K. Health Preference Measures in Patients with Obstructive Sleep Apnea Syndrome Undergoing Continuous Positive Airway Pressure Therapy: Data from a Randomized Trial. *Respiration* 2021; 100:328-338.

Allwood B, Byrne A, Meghji J, Rachow A, van der Zalm M, Schoch O. Post-Tuberculosis Lung Disease: Clinical Review of an Under-Recognised Global Challenge. *Respiration* 2021; 100:751-763.

Punzet M, Bayer M, Schoch O. [Celebrations with consequences: fever, dyspnea and chest pain]. *Dtsch Med Wochenschr* 2021; 146:38-40.

Janssens J, Gex G, Uldry C, Strobel W, Solèr M, Schoch O, Rüdiger J, Ott S, Ognà A, Karrer W, Geenens A, Brill A, Adler D, Bloch K, Prella M, Schwarz E, Michel F, on behalf of the Special Interest Group on Ventilation and Oxygen Therapy of the Swiss Society of Pneumology. Long-Term Mechanical Ventilation: Recommendations of the Swiss Society of Pulmonology. *Respiration* 2020:1-36.

Tonko S, Baty F, Brutsche M, Schoch O. Length of hospital stay for TB varies with comorbidity and hospital location. *Int J Tuberc Lung Dis* 2020; 24:948-955.

<p>Baty F, Bösch M, Widmer S, Annaheim S, Fontana P, Camenzind M, Rossi R, Schoch O, Brutsche M. Classification of Sleep Apnea Severity by Electrocardiogram Monitoring Using a Novel Wearable Device. <i>Sensors (Basel)</i> 2020; 20</p>
<p>Fontana P, Martins N, Camenzind M, Bösch M, Baty F, Schoch O, Brutsche M, Rossi R, Annaheim S. Applicability of a Textile ECG-Belt for Unattended Sleep Apnoea Monitoring in a Home Setting. <i>Sensors (Basel)</i> 2019; 19</p>
<p>Schoch O, Baty F, Bösch M, Benz G, Niedermann J, Brutsche M. Telemedicine for Continuous Positive Airway Pressure in Sleep Apnea: A Randomized, Controlled Study. <i>Ann Am Thorac Soc</i> 2019</p>
<p>Fontana P, Martins N, Camenzind M, Rossi R, Baty F, Bösch M, Schoch O, Brutsche M, Annaheim S. Clinical Applicability of a Textile 1-Lead ECG Device for Overnight Monitoring. <i>Sensors (Basel)</i> 2019; 19</p>
<p>Walker T, Robert J, Rogers T, Groenheit R, Mengshoel A, Mathys V, Haanperä M, Soolingen D, Niemann S, Böttger E, Keller P, Cirillo D, Egli A, Indra A, Merker M, Knoblauch A, Helbling P, Schoch O, van der Werf M, Kranzer K, Fiebig L, Kröger S, Haas W, Hoffmann H, MDR-TB Cluster Consortium. A cluster of multidrug-resistant Mycobacterium tuberculosis among patients arriving in Europe from the Horn of Africa: a molecular epidemiological study. <i>Lancet Infect Dis</i> 2018; 18:431-440.</p>
<p>Latshang T, Schoch O. [Lung diseases and altitude mountaineering]. <i>Ther Umsch</i> 2017; 74:555-562.</p>
<p>Bloch K, Matthews F, Laube I, Imhof E, Turk A, Schoch O, Kohler M, Russi E, Senn O, Nussbaumer-Ochsner Y, Lo Cascio C, Latshang T, Furian M, Huber F, Thurnheer R. Autoadjusted versus fixed CPAP for obstructive sleep apnoea: a multicentre, randomised equivalence trial. <i>Thorax</i> 2017; 73:174-184.</p>
<p>Annaheim S, Camenzind M, Schoch O, Brutsche M, Baty F, Rossi R. Session 59. Biosignal processing and monitoring IV. <i>Biomed Tech (Berl)</i> 2017; 62:s526-s530.</p>
<p>Schaberg T, Schönfeld N, Schoch O, Schenkel K, Rumetshofer R, Richter E, Priwitzer M, Otto-Knapp R, Nienhaus A, Lange C, Heyckendorf J, Hauer B, Hartmann P, Haas W, Feiterna-Sperling C, Diel R, Brinkmann F, Bauer T, Stahlmann R. [Tuberculosis Guideline for Adults - Guideline for Diagnosis and Treatment of Tuberculosis including LTBI Testing and Treatment of the German Central Committee (DZK) and the German Respiratory Society (DGP)]. <i>Pneumologie</i> 2017; 71:325-397.</p>
<p>Maeder M, Schoch O, Kleiner R, Joerg L, Weilenmann D, Swiss Society For Pulmonary Hypertension. Pulmonary hypertension associated with left-sided heart disease. <i>Swiss Med Wkly</i> 2017; 147:w14395.</p>
<p>Horvath C, Brutsche M, Schoch O, Schillig B, Baty F, vonOw D, Rüdiger J. Erratum to: NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. <i>Intern Emerg Med</i> 2017; 12:1339.</p>
<p>Schoch O, Rieder H. Behind the great walls. <i>Int J Tuberc Lung Dis</i> 2017; 21:601.</p>
<p>Horvath C, Brutsche M, Schoch O, Schillig B, Baty F, vonOw D, Rüdiger J. NIV by an interdisciplinary respiratory care team in severe respiratory failure in the emergency department limited to day time hours. <i>Intern Emerg Med</i> 2016</p>
<p>Funke M, Geiser T, Schoch O. Pulmonary hypertension associated with chronic lung diseases. <i>Swiss Med Wkly</i> 2016; 146:w14363.</p>

<p>Maeder M, Mueller C, Schoch O, Ammann P, Rickli H. Biomarkers of cardiovascular stress in obstructive sleep apnea. <i>Clin Chim Acta</i> 2016; 460:152-63.</p>
<p>Maeder M, Schoch O, Rickli H. A clinical approach to obstructive sleep apnea as a risk factor for cardiovascular disease. <i>Vasc Health Risk Manag</i> 2016; 12:85-103.</p>
<p>Rassouli F, Schoch O. Tobacco Smoking Kills Slowly, while Smoking on Oxygen Is a Burning Issue. <i>Respiration</i> 2016; 91:271-2.</p>
<p>Frasnelli M, Baty F, Niedermann J, Brutsche M, Schoch O. Effect of telemetric monitoring in the first 30 days of continuous positive airway pressure adaptation for obstructive sleep apnoea syndrome - a controlled pilot study. <i>J Telemed Telecare</i> 2015; 22:209-14.</p>
<p>Bednarz S, Filipovic M, Schoch O, Mauermann E. Gastric rupture after bag-mask-ventilation. <i>Respir Med Case Rep</i> 2015; 16:1-2.</p>
<p>Blauenfeldt T, Latorre I, Dominguez J, Schoch O, Hoffmann M, Morais C, Duarte R, Ravn P, Martin E, Lange C, Lange B, Heyckendorf J, Aabye M, Wagner D, Ruhwald M. Thermostability of IFN-γ and IP-10 release assays for latent infection with <i>Mycobacterium tuberculosis</i>: A TBnet study. <i>Tuberculosis (Edinb)</i> 2015; 98:7-12.</p>
<p>Garde A, Schoch O, Hefti J, Merz T, Barthelmes D, Bosch M, Hess T, Turk A, Latshang T, Jane R, Giraldo B, Bloch K. Time-varying signal analysis to detect high-altitude periodic breathing in climbers ascending to extreme altitude. <i>Med Biol Eng Comput</i> 2015</p>
<p>Mueller-Mottet S, Nicod L, Aubert J, Popov V, Speich R, Keusch S, Hasler E, Huber L, Grendelmeier P, Tamm M, Beghetti M, Lador F, Stricker H, Domenighetti G, Azzola A, Geiser T, Schwerzmann M, Weilenmann D, Schoch O, Fellrath J, Rochat T, Ulrich S. Long-term data from the swiss pulmonary hypertension registry. <i>Respiration</i> 2015; 89:127-40.</p>
<p>Schoch O, Baty F, Niedermann J, Rüdiger J, Brutsche M. Baseline predictors of adherence to positive airway pressure therapy for sleep apnea: a 10-year single-center observational cohort study. <i>Respiration</i> 2013; 87:121-8.</p>
<p>Pichler Hefti J, Weinberger K, Merz T, Maggiorini M, Bloch K, Hess T, Turk A, Schoch O, Risch L, Hefti U, Sonntag D, Huber A. Oxidative stress in hypobaric hypoxia and influence on vessel-tone modifying mediators. <i>High Alt Med Biol</i> 2013; 14:273-9.</p>
<p>Dusemund F, Weber M, Nagel W, Schneider T, Brutsche M, Schoch O. Characteristics of medically and surgically treated empyema patients: a retrospective cohort study. <i>Respiration</i> 2013; 86:288-94.</p>
<p>Merz T, Turk A, Hess T, Schoch O, Bloch K, Schmitt K, Hefti U, Pichler J, Barthelmes D, Bosch M, Schwarz U. Cognitive performance in high-altitude climbers: a comparative study of saccadic eye movements and neuropsychological tests. <i>Eur J Appl Physiol</i> 2013; 113:2025-37.</p>
<p>Mor Z, Leventhal A, Diacon A, Finger R, Schoch O. Tuberculosis screening in immigrants from high-prevalence countries: interview first or chest radiograph first? A pro/con debate. <i>Respirology</i> 2013; 18:432-8.</p>
<p>Czell D, Bauer M, Binek J, Schoch O, Weber M. Outcome of Percutaneous Endoscopic Gastrostomy Tube Insertion in Respiratory Impaired Amyotrophic Lateral Sclerosis Patients Under Non-Invasive Ventilation. <i>Respir Care</i> 2012</p>

Garde A, Schoch O, Merz T, Hefti U, Maggiorini M, Hefti J, Barthelmes D, Bosch M, Hess T, Turk A, Latshang T, Jane R, Giraldo B, Bloch K. Periodic breathing during ascent to extreme altitude quantified by spectral analysis of the respiratory volume signal. *Conf Proc IEEE Eng Med Biol Soc* 2012; 2012:707-10.

Latshang T, Maggiorini M, Hefti J, Hefti U, Merz T, Barthelmes D, Bosch M, Schoch O, Hess T, Turk A, Bloch K. Acclimatization improves submaximal exercise economy at 5533 m. *Scand J Med Sci Sports* 2011

Schoch O. [Tuberculosis control]. *Ther Umsch* 2011; 68:381-7.

Hegglin A, Schoch O, Korte W, Hahn K, Hürny C, Münzer T. Eight months of continuous positive airway pressure (CPAP) decrease tumor necrosis factor alpha (TNFA) in men with obstructive sleep apnea syndrome. *Sleep Breath* 2011; 16:405-12.

Löschhorn C, Rodriguez R, Schoch O, Brutsche M (2010). Hypersensitivity Pneumonitis induced by a CPAP Ventilator?. Präsentiert bei: American Thoracic Society (ATS) International Conference, New Orleans, LA

Bloch K, Maggiorini M, Hefti J, Barthelmes D, Bosch M, Merz T, Hefti U, Hess T, Turk A, Latshang T, Schoch O. Nocturnal periodic breathing during acclimatization at very high altitude at Mount Muztagh Ata (7,546 m). *Am J Respir Crit Care Med* 2010; 182:562-8.

Pichler Hefti J, Maggiorini M, Schoch O, Barthelmeß D, Bosch M, Turk A, Merz T, Risch G, Scharrer I, Hefti U, Risch L, Huber A. Changes of coagulation parameters during high altitude expedition. *Swiss Med Wkly* 2010; 140:111-7.

Bosch M, Hefti U, Schoch O, Turk A, Petrig B, Thiel M, Bloch K, Truffer F, Knecht P, Merz T, Barthelmes D, Landau K. New insights into changes in corneal thickness in healthy mountaineers during a very-high-altitude climb to Mount Muztagh Ata. *Arch Ophthalmol* 2010; 128:184-9.

Huober J, Schoch O, Templeton A, Spirig C, Thürlimann B. Interstitial pneumonitis after treatment with bevacizumab and pegylated liposomal doxorubicin in a patient with metastatic breast cancer. *Chemotherapy* 2010; 56:69-70.

Münzer T, Hegglin A, Stannek T, Schoch O, Korte W, Büche D, Schmid C, Hürny C. Effects of long-term continuous positive airway pressure on body composition and IGF1. *Eur J Endocrinol* 2010; 162:695-704.

Maeder M, Ammann P, Schoch O, Rickli H, Korte W, Hürny C, Myers J, Münzer T. Determinants of postexercise heart rate recovery in patients with the obstructive sleep apnea syndrome. *Chest* 2009; 137:310-7.

Stannek T, Hürny C, Schoch O, Bucher T, Münzer T. Factors Affecting Self-Reported Sexuality in Men with Obstructive Sleep Apnea Syndrome. *The journal of sexual medicine* 2009

Maeder M, Ammann P, Münzer T, Schoch O, Korte W, Hürny C, Myers J, Rickli H. Continuous positive airway pressure improves exercise capacity and heart rate recovery in obstructive sleep apnea. *International journal of cardiology* 2009; 132:75-83.

Bosch M, Huber A, Pichler J, Sutter F, Hefti U, Schoch O, Hess T, Maggiorini M, Turk A, Bloch K, Truffer F, Petrig B, Barthelmes D, Merz T, Landau K. New insights into ocular blood flow at very high altitudes. *Journal of applied physiology* (Bethesda, Md. : 1985) 2009; 106:454-60.

Bloch K, Senn O, Pichler J, Hefti U, Barthelmes D, Bosch M, Merz T, Hess T, Maggiorini M, Turk A, Schoch O. Effect of ascent protocol on acute mountain sickness and success at Muztagh Ata, 7546 m. *High altitude medicine & biology* 2009; 10:25-32.

Maeder M, Münzer T, Rickli H, Schoch O, Korte W, Hürny C, Ammann P. Association between heart rate recovery and severity of obstructive sleep apnea syndrome. *Sleep medicine* 2008; 9:753-61.

Bosch M, Schoch O, Wirth M, Maggiorini M, Sutter F, Hefti U, Turk A, Bloch K, Merz T, Barthelmes D, Landau K. High incidence of optic disc swelling at very high altitudes. *Archives of ophthalmology* 2008; 126:644-50.

Riethmüller S, Müller-Wenk R, Knoblauch A, Schoch O. Monetary value of undisturbed sleep. *Noise & health* 2008; 10:46-54.

Pichler J, Risch G, Schoch O, Barthelmes D, Hess T, Maggiorini M, Bloch K, Turk A, Merz T, Hefti U, Risch L, Huber A. Glomerular filtration rate estimates decrease during high altitude expedition but increase with Lake Louise acute mountain sickness scores. *Acta physiologica (Oxford, England)* 2008; 192:443-50.

Hoffmann M, Reichmuth M, Fantelli K, Schoch O, Fierz W, Furrer H, Vernazza P. Conventional tuberculin skin testing versus T-cell-based assays in the diagnosis of latent tuberculosis infection in HIV-positive patients. *AIDS (London, England)* 2007; 21:390-2.

Schoch O, Rieder P, Tueller C, Altpeter E, Zellweger J, Rieder H, Krause M, Thurnheer R. Diagnostic yield of sputum, induced sputum, and bronchoscopy after radiologic tuberculosis screening. *American journal of respiratory and critical care medicine* 2007; 175:80-6.

Guglielmi S, Barben J, Horn L, Schoch O. Administrative monitoring of tuberculosis treatment in Switzerland. *The international journal of tuberculosis and lung disease : the official journal of the International Union against Tuberculosis and Lung Disease* 2006; 10:1236-40.

Brasch F, Hawgood S, Müller K, Beers M, Boehler A, Schoch O, Guttentag S, Ochs M, Birzele J, Johnen G. Surfactant proteins in pulmonary alveolar proteinosis in adults. *The European respiratory journal : official journal of the European Society for Clinical Respiratory Physiology* 2004; 24:426-35.

Maeder M, Ammann P, Rickli H, Schoch O. Fever and night sweats in a 22-year-old man with a mediastinal mass involving the heart. *Chest* 2003; 124:2006-9.

Schoch O, Pfyffer G, Buhl D, Paky A. False-positive *Mycobacterium tuberculosis* culture revealed by restriction fragment length polymorphism analysis. *Infection* 2003; 31:189-91.

Seymour J, Doyle I, Nakata K, Presneill J, Schoch O, Hamano E, Uchida K, Fisher R, Dunn A. Relationship of anti-GM-CSF antibody concentration, surfactant protein A and B levels, and serum LDH to pulmonary parameters and response to GM-CSF therapy in patients with idiopathic alveolar proteinosis. *Thorax* 2003; 58:252-7.

Schoch O, Schanz U, Koller M, Nakata K, Seymour J, Russi E, Boehler A. BAL findings in a patient with pulmonary alveolar proteinosis successfully treated with GM-CSF. *Thorax* 2002; 57:277-80.

Seymour J, Pain M, Langton D, Kitamura T, Nakata K, Vincent J, Doyle I, Moore P, Downie G, Schoch O, Presneill J, Dunn A. Therapeutic efficacy of granulocyte-macrophage colony-stimulating factor in patients with idiopathic acquired alveolar proteinosis. *American journal of respiratory and critical care medicine* 2001; 163:524-31.

Kitamura T, Kudoh S, Azuma A, Nukiwa T, Tomita T, Katagiri M, Fujita A, Kurashima A, Kanegasaki S, Sakatani M, Inoue Y, Doyle I, Uchida K, Tanaka N, Tsuchiya T, Watanabe J, Yamada Y, Hanaoka K, Seymour J, Schoch O, Nakata K. Serological diagnosis of idiopathic pulmonary alveolar proteinosis. *American journal of respiratory and critical care medicine* 2000; 162:658-62.

Schoch O, Speich R, Schmid C, Tschopp O, Russi E, Weder W, Boehler A. Osteonecrosis after lung transplantation: cystic fibrosis as a potential risk factor. *Transplantation* 2000; 69:1629-32.

Schoch O, Boehler A, Speich R, Nestle F. Extracorporeal photochemotherapy for Epstein-Barr virus-associated lymphoma after lung transplantation. *Transplantation* 1999; 68:1056-8.

Schoch O, Graf-Deuel E, Knoblauch A. [Tuberculin testing of hospital personnel: large investment with little impact]. *Schweizerische medizinische Wochenschrift* 1999; 129:217-24.

Bloch K, Schoch O, Zhang J, Russi E. German version of the Epworth Sleepiness Scale. *Respiration; international review of thoracic diseases* 1999; 66:440-7.

Seymour J, Burdach S, Roth B, van Asperen P, Schoch O, Moore P, Nicola N, Presneill J, Dirksen U, Begley C, Dunn A. Attenuated hematopoietic response to granulocyte-macrophage colony-stimulating factor in patients with acquired pulmonary alveolar proteinosis. *Blood* 1998; 92:2657-67.

Schoch O, Nierhoff N, Knoblauch A. Adverse reactions to peak flow monitoring. Report of 5 patients. *Respiration; international review of thoracic diseases* 1998; 65:320-2.

Rohner K, Corboz L, Bolliger M, Flückiger M, Pfyffer G, Schoch O. [What is your diagnosis? Generalized tuberculosis caused by M. tuberculosis complex]. *Schweizer Archiv für Tierheilkunde* 1998; 140:205-8.

Sauty A, Rochat T, Schoch O, Hamacher J, Kurt A, Dayer J, Nicod L. Pulmonary fibrosis with predominant CD8 lymphocytic alveolitis and anti-Jo-1 antibodies. *The European respiratory journal : official journal of the European Society for Clinical Respiratory Physiology* 1997; 10:2907-12.

Schoch O. [HIV-associated tuberculosis in Africa exemplified by Zimbabwe]. *Schweizerische medizinische Wochenschrift* 1997; 127:1223-8.

Mordasini C, Aebischer C, Schoch O. [Inhalational antibiotic therapy in patients with cystic fibrosis and Pseudomonas infection]. *Schweizerische medizinische Wochenschrift* 1997; 127:905-10.

Schoch O, Rieder H. Characteristics of sputum smear-positive tuberculosis patients with and without HIV infection in a hospital in Zimbabwe. *The European respiratory journal : official journal of the European Society for Clinical Respiratory Physiology* 1996; 9:284-7.

Projekte (6)

Kalydeco

Klinische Forschung - 01.09.2015 - 01.09.2017

Automatisch geschlossen

Characterizing sleep apnea by using a wearable electro EMPA cardiogram device

Grundlagenforschung - 01.06.2015 - 01.12.2016

Automatisch geschlossen

LONGACT study

Klinische Forschung - 24.03.2015 - 24.03.2015

Abgebrochen

Improved adherence to CPAP by Telemetric Support in Newly diagnosed OSAS Patients

Grundlagenforschung - 01.01.2013 - 01.03.2013

Abgeschlossen

Telemedicine to enhance CPAP adherence in OSAS - A randomized placebo-controlled prospective study

Klinische Forschung - 01.01.2013 - 31.12.2015

Abgeschlossen

Does hyper-thermal incubation and blockage of T-cell inhibitory pathways improve current and future T-cell based diagnostic test systems?

Grundlagenforschung - 01.02.2011 - 31.12.2014

Abgeschlossen