



## **Dr. Frank Rassouli**

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### **Bereiche**

Pneumologie und Schlafmedizin

### **Funktion**

Oberarzt/Oberärztin

## Publikationen (34)

Bürke C, Baty F, Rassouli F, Brutsche M, Albrich W. Effect of the Covid-19 pandemic on hospitalizations for non-Covid-19-pneumonia and exacerbations of chronic obstructive pulmonary diseases in Switzerland: comparison of national data between 2020/2021 and 2015-2019. *Pneumonia (Nathan)* 2024; 16:24.

Minervini F, Kestenholz P, Rassouli F, Pohle S, Mayer N. Smoking cessation assistance among pneumologists and thoracic surgeons in Switzerland: a national survey. *Front Health Serv* 2024; 4:1420277.

Bösch M, Baty F, Bilz S, Brutsche M, Rassouli F. Tracking Real-World Physical Activity in Chronic Obstructive Pulmonary Disease Over One Year: Results from a Monocentric, Prospective, Observational Cohort Study. *Int J Chron Obstruct Pulmon Dis* 2024; 19:1921-1929.

Bösch M, Baty F, Rassouli F, Brutsche M. What is disease modification and is this concept even helpful?. *Eur J Intern Med* 2024; 124:1-4.

Bösch M, Baty F, Rassouli F, Kowatsch T, Jörger M, Früh M, Brutsche M. Non-pharmaceutical interventions to optimize cancer immunotherapy. *Oncoimmunology* 2023; 12:2255459.

Hagmann M, Baty F, Rassouli F, Maeder M, Brutsche M. Gender-specific disease trajectories prior to the onset of COPD allow individualized screening and early intervention. *PloS one* 2023; 18:e0288237.

Bösch M, Rassouli F, Baty F, Schwärzler A, Widmer S, Tinschert P, Shih I, Cleres D, Barata F, Fleisch E, Brutsche M. Smartphone-based cough monitoring as a near real-time digital pneumonia biomarker. *ERJ Open Res* 2023; 9

Barata F, Cleres D, Tinschert P, Shih I, Rassouli F, Bösch M, Brutsche M, Fleisch E. Nighttime continuous contactless smartphone-based cough monitoring for the ward: A validation study. *JMIR Form Res* 2023

Boesing M, Abig K, Brändle M, Brutsche M, Burri E, Frye B, Giezendanner S, Grutters J, Haas P, Heisler J, Jaun F, Leuppi-Taegtmeyer A, Lüthi-Corridori G, Müller-Quernheim J, Nüesch R, Pohl W, Rassouli F, Leuppi J. Inhaled aviptadil for the possible treatment of COVID-19 in patients at high risk for ARDS: study protocol for a randomized, placebo-controlled, and multicenter trial. *Trials* 2022; 23:790.

Isic E, Rassouli F, Rodriguez R, Kluckert J, Brutsche M. Respiratory bronchiolitis-interstitial lung disease: A rare complication of smoking. *Open Journal of Clinical & Medical Case Reports* 2022; 8 (2022)

Jokic S, Cleres D, Rassouli F, Steurer-Stey C, Puhan M, Brutsche M, Fleisch E, Barata F. TripletCough: Cougher Identification and Verification From Contact-Free Smartphone-Based Audio Recordings Using Metric Learning. *IEEE J Biomed Health Inform* 2022; 26:2746-2757.

Schmiedeberg K, Rassouli F, von Kempis J, Rubbert-Roth A. Anti-interleukin-23 directed therapy and the recurrence of severe allergic asthma. *Rheumatology (Oxford)* 2022

Baty F, Hegermann J, Locatelli T, Rüegg C, Gysin C, Rassouli F, Brutsche M. Text mining-based measurement of precision of polysomnographic reports as basis for intervention. *J Biomed Semantics* 2022; 13:5.

Studer S, Rassouli F, Waldeck F, Brutsche M, Baty F, Albrich W. No evidence of harmful effects of steroids in severe exacerbations of COPD associated with influenza. *Infection* 2022; 50:699-707.

Walter A, Baty F, Rassouli F, Bilz S, Brutsche M. Diagnostic precision and identification of rare diseases is dependent on distance of residence relative to tertiary medical facilities. *Orphanet J Rare Dis* 2021; 16:131.

Rassouli F, Tamm M, Sievi N, Tschirren U, Widmer S, Kähler C, Brack T, Thurnheer R, Stolz D, Kohler M, Baty F, Germann A, Brutsche M. Telehealth mitigates COPD disease progression compared to standard of care: a randomized controlled crossover trial. *J Intern Med* 2021; 289:404-410.

Tinschert P, Rassouli F, Barata F, Steurer-Stey C, Fleisch E, Puhan M, Kowatsch T, Brutsche M. Nocturnal Cough and Sleep Quality to Assess Asthma Control and Predict Attacks. *J Asthma Allergy* 2020; 13:669-678.

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Sanchez J, Schumann D, Karakioulaki M, Papakonstantinou E, Rassouli F, Frasnelli M, Brutsche M, Tamm M, Stolz D. Laryngopharyngeal reflux in chronic obstructive pulmonary disease - a multi-centre study. *Respir Res* 2020; 21:220.

Barata F, Tinschert P, Rassouli F, Steurer-Stey C, Fleisch E, Puhan M, Brutsche M, Kotz D, Kowatsch T. Automatic Recognition, Segmentation, and Sex Assignment of Nocturnal Asthmatic Coughs and Cough Epochs in Smartphone Audio Recordings: Observational Field Study. *J Med Internet Res* 2020; 22:e18082.

Albrich W, Rassouli F, Waldeck F, Christoph B, Baty F. Influence of Older Age and Other Risk Factors on Pneumonia Hospitalization in Switzerland in the Pneumococcal Vaccine Era. *Front Med (Lausanne)* 2019; 6:286.

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Brutsche M, Rassouli F, Gallion H, Kalra S, Roger V, Baty F. Diagnostic diversity - an indicator of institutional and regional healthcare quality. *Swiss Med Wkly* 2018; 148:w14691.

Rassouli F, Boutellier D, Duss J, Huber S, Brutsche M. Digitalizing multidisciplinary pulmonary rehabilitation in COPD with a smartphone application: an international observational pilot study. *Int J Chron Obstruct Pulmon Dis* 2018; 13:3831-3836.

Rassouli F, Schneider T, Dutly A, Kluckert J, Glaser-Gallion F, Brutsche M. Lungenemphysem. *Schweiz Med Forum* 2017; 2017/43:917-924.

Rassouli F, Baty F, Stolz D, Albrich W, Tamm M, Widmer S, Brutsche M. Longitudinal change of COPD assessment test (CAT) in a telehealthcare cohort is associated with exacerbation risk. *Int J Chron Obstruct Pulmon Dis* 2017; 12:3103-3109.

Rassouli F. Chronic obstructive pulmonary disease - importance of active case finding and consideration of comorbidities. *Swiss Med Wkly* 2017; 147:w14466.

Breidthardt T, Nestelberger T, Boeddinghaus J, Badertscher P, Barata S, Shrestha S, Gayat E, Kozuharov N, Twerenbold R, Rassouli F, Ziller R, Sabti Z, Mueller C. Diagnostic and prognostic value of cystatin C in acute heart failure. *Clin Biochem* 2017

Mayer L, Kahlert C, Rassouli F, Vernazza P, Albrich W. Impact of viral multiplex real-time PCR on management of respiratory tract infection: a retrospective cohort study. *Pneumonia (Nathan)* 2017; 9:4.

Feigelman R, Kahlert C, Baty F, Rassouli F, Kleiner R, Kohler P, Brutsche M, Von Mering C. Sputum DNA sequencing in cystic fibrosis: non-invasive access to the lung microbiome and to pathogen details. *Microbiome* 2017; 5:20.

Rassouli F, Pfister M, Widmer S, Baty F, Burger B, Brutsche M. Telehealthcare for Chronic Obstructive Pulmonary Disease in Switzerland Is Feasible and Appreciated by Patients. *Respiration* 2016; 92:107-13.

Rassouli F, Schoch O. Tobacco Smoking Kills Slowly, while Smoking on Oxygen Is a Burning Issue. *Respiration* 2016; 91:271-2.

Hansen J, Rassouli F, Brutsche M. [Cardiopulmonary exercise testing (CPET) – indication and clinical impact]. *Ther Umsch* 2015; 72:321-6.

Nussbaumer-Ochsner Y, Rassouli F, Uhlmann F, Thurnheer R. Endobronchial lipoma mimicking bronchial carcinoid tumour. *Thorax* 2015; 70:809.

## Projekte (6)

### **Smartphone-Enabled Detection of COugh in COvid-19 (COCO): An Exploratory, Single-Center, Observational Cohort Study**

*Klinische Forschung - 03.12.2020 - 03.12.2020*

*Automatisch geschlossen*

### **COugh During and after acute EXacerbation of chronic obstructive pulmonary disease (CODEX) study**

*Klinische Forschung - 08.09.2020 - 01.07.2021*

*Automatisch geschlossen*

### **The role of physical activity, malnutrition and sarcopenia for the prediction of acute exacerbations and the evolution of COPD assessment test (CAT) in patients with COPD**

*Klinische Forschung - 29.11.2018 - 30.06.2021*

*Abgeschlossen*

### **Asthma control Prediction**

*Klinische Forschung - 01.02.2018 - 31.12.2018*

*Automatisch geschlossen*

### **A randomised controlled, international, multicentre crossover trial. We want to test, whether telehealthcare can improve HRQOL and reduce emergency admissions and hospitalisations due to AECOPD**

*Klinische Forschung - 11.05.2016 - 31.12.2018*

*Automatisch geschlossen*

### **Clinical impact of multiplex realtime PCR in respiratory tract infections**

*Klinische Forschung - 15.11.2014 - 31.12.2015*

*Automatisch geschlossen*