



## Lukas Kern

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### Contact

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### Units

Pneumologie und Schlafmedizin

## Publications (15)

Knöpfel G, Baty F, Uhl F, Kern L, Brutsche M. Quantification of breathing irregularity for the diagnosis of dysfunctional breathing using proportional tidal volume variation: a cross-sectional, retrospective real-world study. *BMJ Open* 2024; 14:e083401.

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Jaun F, Tröster L, Giezendanne S, Bridevaux P, Charbonnier F, Clarenbach C, Gianella P, Jochmann A, Kern L, Miedinger D, Nikolay P, Rothe T, Steurer-Stey C, von Garnier C, Leuppi J. Characteristics of Severe Asthma Patients and Predictors of Asthma Control in the Swiss Severe Asthma Registry. *Respiration* 2023; 102:863-878.

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Sinnberg T, Lichtensteiger C, Ali O, Pop O, Risch L, Brugger S, Velic A, Bomze D, Kohler P, Vernazza P, Albrich W, Kahlert C, Abdou M, Wyss N, Hofmeister K, Niessner H, Zinner C, Gilardi M, Tzankov A, Röcken M, Dulovic A, Shambat S, Ruetalo N, Buehler P, Scheier T, Jochum W, Kern L, Henz S, Schneider T, Kuster G, Lampart M, Siegemund M, Bingisser R, Schindler M, Schneiderhan-Marra N, Kalbacher H, McCoy K, Spengler W, Brutsche M, Macek B, Twerenbold R, Penninger J, Matter M, Flatz L, Jochum A. Pulmonary Surfactant Proteins Are Inhibited by Immunoglobulin A Autoantibodies in Severe COVID-19. *Am J Respir Crit Care Med* 2023; 207:38-49.

Rothe T, von Garnier C, Bridevaux P, Charbonnier F, Clarenbach C, Gianella P, Jochmann A, Kern L, Nikolay P, Steurer-Stey C, Leuppi J. The clinical features of asthma exacerbations in early-onset and eosinophilic late-onset asthma may differ significantly. *Respir Med* 2022; 206:107067.

Rüfenacht S, Gantenbein P, Boggian K, Flury D, Kern L, Dollenmaier G, Kohler P, Albrich W. Remdesivir in Coronavirus Disease 2019 patients treated with anti-CD20 monoclonal antibodies: a case series. *Infection* 2022; 50:783-790.

Hasan Ali O, Bomze D, Risch L, Brugger S, Paprotny M, Weber M, Thiel S, Kern L, Albrich W, Kohler P, Kahlert C, Vernazza P, Bühler P, Schüpbach R, Gómez-Mejía A, Popa A, Bergthaler A, Penninger J, Flatz L. Erratum to: Severe Coronavirus Disease 2019 (COVID-19) is Associated With Elevated Serum Immunoglobulin (Ig) A and Antiphospholipid IgA Antibodies. *Clin Infect Dis* 2021; 73:1746.

Kraemer R, Smith H, Gardin F, Barandun J, Minder S, Kern L, Brutsche M. Bronchodilator Response in Patients with COPD, Asthma-COPD-Overlap (ACO) and Asthma, Evaluated by Plethysmographic and Spirometric z-Score Target Parameters. *Int J Chron Obstruct Pulmon Dis* 2021; 16:2487-2500.

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Baty F, Ritz C, Jensen S, Kern L, Tamm M, Brutsche M. Multimodel inference applied to oxygen recovery kinetics after 6-min walk tests in patients with chronic obstructive pulmonary disease. *PLoS one* 2017; 12:e0187548.

**Baty F, van Gestel A, Kern L, Brutsche M. Oxygen Uptake Recovery Kinetics after the 6-Minute Walk Test in Patients with Chronic Obstructive Pulmonary Disease. *Respiration* 2016; 92:371-379.**

**Kern L, Condrau S, Baty F, Wiegand J, van Gestel A, Azzola A, Tamm M, Brutsche M. Oxygen kinetics during 6-minute walk tests in patients with cardiovascular and pulmonary disease. *BMC Pulm Med* 2014; 14:167.**

**Hundsberger T, Rohrbach M, Kern L, Rösler K. Swiss national guideline for reimbursement of enzyme replacement therapy in late-onset Pompe disease. *J Neurol* 2013; 260:2279-2285.**

**Baty F, Rüdiger J, Miglino N, Kern L, Borger P, Brutsche M. Exploring the transcription factor activity in high-throughput gene expression data using RLQ analysis. *BMC bioinformatics* 2013; 14:178.**

## Projects (2)

### **Swiss Severe Asthma Register**

*Clinical Studies - Oct 1, 2019 - Dec 31, 2021*

*Automatically Closed*

### **Effect of induction chemotherapy on lung function measured by spiroergometry and 6-Minute walking test in patients affected by non-small cell lung cancer (NSCLC)**

*Fundamental Research - Jan 1, 2018 - Dec 31, 2020*

*Automatically Closed*

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