



## Arnoldus van Gestel

### Contact

Arnoldus van Gestel  
Switzerland

[Arnoldus.vanGestel@kssg.ch](mailto:Arnoldus.vanGestel@kssg.ch)

### Units

Pneumologie und Schlafmedizin

## Publications (16)

Baty F, Ritz C, van Gestel A, Brutsche M, Gerhard D. Modeling the oxygen uptake kinetics during exercise testing of patients with chronic obstructive pulmonary diseases using nonlinear mixed models. *BMC Med Res Methodol* 2016; 16:66.

Rausch-Osthoff A, Kohler M, Sievi N, Clarenbach C, van Gestel A. Association between peripheral muscle strength, exercise performance, and physical activity in daily life in patients with Chronic Obstructive Pulmonary Disease. *Multidiscip Respir Med* 2014; 9:37.

Sievi N, Clarenbach C, Camen G, Rossi V, van Gestel A, Kohler M. High prevalence of altered cardiac repolarization in patients with COPD. *BMC Pulm Med* 2014; 14:55.

Osthoff A, Taeymans J, Kool J, Marcar V, van Gestel A. Association between peripheral muscle strength and daily physical activity in patients with COPD: a systematic literature review and meta-analysis. *J Cardiopulm Rehabil Prev* 2013; 33:351-9.

van Gestel A, Clarenbach C, Stöwhas A, Rossi V, Sievi N, Camen G, Kohler M. The speed of blood pressure fluctuations in patients with chronic obstructive pulmonary disease. *Heart Lung Circ* 2013; 23:280-6.

van Gestel A, Camen G, Clarenbach C, Sievi N, Rossi V, Kohler M. Quantifying the speed of fluctuations in systolic blood pressure. *Hypertens Res* 2013; 36:1039-44.

Clarenbach C, Russi E, Thurnheer R, Puhan M, Rossi V, van Gestel A, Camen G, Sievi N, Senn O, Kohler M. Determinants of endothelial function in patients with COPD. *Eur Respir J.* 2013; 42:1194-204.

van Gestel A, Kohler M, Clarenbach C. Sympathetic overactivity and cardiovascular disease in patients with chronic obstructive pulmonary disease (COPD). *Discov Med* 2012; 14:359-68.

van Gestel A, Clarenbach C, Stöwhas A, Rossi V, Sievi N, Camen G, Russi E, Kohler M. Predicting daily physical activity in patients with chronic obstructive pulmonary disease. *PloS one* 2012; 7:e48081.

Saxer S, Rhyner M, Treder U, Speich R, van Gestel A. [Supervised exercise training in patients with pulmonary arterial hypertension - analyses of the effectiveness and safety]. *Praxis (Bern 1994)* 2012; 101:163-8.

van Gestel A, Kohler M, Steier J, Sommerwerck U, Teschler S, Russi E, Teschler H. Cardiac autonomic function and cardiovascular response to exercise in patients with chronic obstructive pulmonary disease. *COPD* 2012; 9:160-5.

van Gestel A, Clarenbach C, Stöwhas A, Teschler S, Russi E, Teschler H, Kohler M. Prevalence and prediction of exercise-induced oxygen desaturation in patients with chronic obstructive pulmonary disease. *Respiration* 2012; 84:353-9.

Clarenbach C, Stoewhas A, van Gestel A, Latshang T, Lo Cascio C, Bloch K, Kohler M. Comparison of photoplethysmographic and arterial tonometry-derived indices of arterial stiffness. *Hypertens Res* 2011; 35:228-33.

van Gestel A, Kohler M, Steier J, Teschler S, Russi E, Teschler H. Cardiac autonomic dysfunction and health-related quality of life in patients with chronic obstructive pulmonary disease. *Respirology* 2011; 16:939-46.

van Gestel A, Kohler M, Steier J, Teschler S, Russi E, Teschler H. The effects of controlled breathing during pulmonary rehabilitation in patients with COPD. *Respiration* 2011; 83:115-24.

van Gestel A, Steier J. Autonomic dysfunction in patients with chronic obstructive pulmonary disease (COPD). *J Thorac Dis* 2010; 2:215-22.

## Projects (2)

**Cardiopulmonary- and hemodynamic responses during positive and negative airway pressure in patients with chronic obstructive pulmonary disease**

*Fundamental Research - Oct 1, 2015 - Aug 1, 2016*

*Automatically Closed*

**Characterizing sleep apnea by using a wearable electro EMPA cardiogram device**

*Fundamental Research - Jun 1, 2015 - Dec 1, 2016*

*Automatically Closed*

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Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)