

## Curriculum Vitae

### **Dr. med. Hans Lucas Busch**

born in Bremen, Germany

present position: Lead practitioner in vascular medicine

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### **EDUCATION AND TRAINING**

2004 - 2011	Medical School, RWTH Aachen, Aachen, Germany
2007 - 2008	Université Claude Bernard Medical School, Lyon, France, ERASMUS scholarship
2011	Medical Schools, Universities Aachen, San Diego (US), Tel Aviv (Israel)
2012 - 2018	Residency, Division of Cardiology, Pulmonology and Vascular Medicine, University Hospital Düsseldorf, Germany
2017	Board Certification Emergency Medicine
2018	Board certification Vascular Medicine, attending for Vascular Medicine
2020	Lead practitioner in vascular medicine
2021	Specialist in Interventional Vascular Medicine (DGA/DGK) Specialist in Hypertension (DHL)
2022	Board certification Cardiology
Since 2023	PI PEERLESS study in pulmonary embolism

## MAJOR PUBLICATIONS

Schremmer J<sup>1\*</sup>, **Busch L<sup>1\*</sup>**, Baasen S<sup>1</sup>, Heinen Y<sup>1</sup>, Sansone R<sup>1</sup>, Kelm M<sup>1+2</sup>, Stern M<sup>1</sup>

**Chronic PCSK9 inhibitor therapy leads to sustained improvements in endothelial function, arterial stiffness, and microvascular function.** *Microvascular Research* 2023.

<https://doi.org/10.1016/j.mvr.2023.104513>

Stern M\*, Schremmer J\*, Scharm S, Baasen S, Heinen Y, Sansone R, Polzin A, Jung C, Heiss C, Kelm M and **Busch L.** **Microvascular tissue perfusion after postcatheterization pseudoaneurysm treatment.** *Clin Hemorheol Microcirc.* 2022. doi: 10.3233/CH-221438

**Busch L,** Heinen Y, Stern M, Wolff G, Ozaslan G, Tzetou K, Sansone R, Heiss C and Kelm M. **Angioplasty of Flow-Limiting Stenosis Reduces Aortic and Brachial Blood Pressure in Patients With Peripheral Artery Disease.** *J Am Heart Assoc.* 2021:e019724.

**Busch L,** Stern M, M'Pembele R, Dannenberg L, Mourikis P, Grone M, Ozaslan G, Heinen Y, Heiss C, Sansone R, Huhn R, Kelm M and Polzin A. **Impact of high on-treatment platelet reactivity after angioplasty in patients with critical limb ischemia.** *Vascul Pharmacol.* 2021:106925.

**Busch L,** Stern M, Dannenberg L, Mourikis P, Grone M, Ozaslan G, Heinen Y, Heiss C, Sansone R, Polzin A and Kelm M. **Impact of high on-treatment platelet reactivity after angioplasty in patients with peripheral arterial disease.** *Platelets.* 2020:1-7.

[Complete list of publications](#)

### Activity:

PI PEERLESS Study

Reviewer for Vasa - European Journal of Vascular Medicine

DGA (German Society of Vascular Medicine): RECCORD Investigator

DGK (German Society of Cardiology): Member of the chapter vascular medicine (AG 2)

## MAJOR RESEARCH INTERESTS

- peripheral interventions
- vascular medicine and physiology
- pulmonary embolism