

Curriculum Vitae

Manuel Richter Dr. med.
d.o.b. March 09th, 1983, in Wuppertal, Germany

Career

01/2021 - ongoing Consultant, Medical Clinic II, University Hospital Giessen
11/2020 Habilitation thesis, medical faculty, University Giessen
03/2018 Specialist in internal medicine
12/2012- 12/2020 Resident, Medical Clinic II, University Hospital Giessen
05/2011 – 11/2012 Resident, Hospital Neuwittelsbach, Munich
12/2011 Doctoral thesis, medical faculty, University Giessen
03/2010-03/2011 Resident, Lung Center north, University Hospital Lübeck
02/2010 License to practice medicine (*Approbation*)

Scientific activities

2020 - ongoing Funded by the JLU Career Project, University of Giessen
2018 - ongoing Principal investigator, German Center for Lung Research (DZL), Giessen, Germany
2016 - ongoing Collaborator, Excellence Cluster Cardio-Pulmonary System (ECCPS) and the Collaborative Research Center (SFB) 1213 - Pulmonary Hypertension and Cor Pulmonale
2012 - ongoing Scientific co-worker, Department of Pneumology, Kerckhoff Heart, Rheuma and Thoracic Center, Bad Nauheim
2007 - ongoing Member of the clinical research group "*Pulmonary hypertension*" (head: Prof. Ardeschir Ghofrani)
2007 - ongoing Scientific co-worker, Division of Pulmonary Hypertension, University Hospital Giessen

Good clinical practice

04/2019 AMG/GCP Refresher course, ARTIMED, Giessen, Germany
03/2018 Basic course GCP, KKS Marburg, Germany
11/2010 Interactive GCP Workshop, Interdisziplinäres Zentrum Klinische Studien, Mainz, Germany

Medical teaching

09/2017 - 03/2018 Medical Educational Qualification I, Kompetenzzentrum für Hochschuldidaktik in Medizin Baden-Württemberg, University Tübingen, Germany

Awards

03/2016 Poster Prize, „Kardiopulmonale Forschung 3.Platz“, Kardiopulmonaler Forschungsdialog, Berlin
03/2015 Poster Prize, Deutsche Gesellschaft für Pneumologie und Beatmungsmedizin e.V.
02/2015 Poster Prize, „Kategorie Klinik 1.Platz“, Forschungswerkstatt, Pulmonale Hypertonie, Berlin

Citation Record

Total citations: 1,584; h-index:20; (Google Scholar August 15th, 2022)

Top-10 selected Publications

Tello K, Kremer N, **Richter MJ**, Gall H, Muenks J, Ghofrani A, et al. Inhaled Iloprost Improves Right Ventricular Load-Independent Contractility in Pulmonary Hypertension. **American journal of respiratory and critical care medicine**. 2022.

Olsson KM, **Richter MJ**, Kamp JC, Gall H, Ghofrani HA, Fuge J, et al. Refined risk stratification in pulmonary arterial hypertension and timing of lung transplantation. **The European respiratory journal**. 2022.

Richter, M. J., A. Yogeswaran, F. Husain-Syed, I. Vadasz, Z. Rako, E. Mohajerani, H. A. Ghofrani, R. Naeije, W. Seeger, U. Herberg, A. Rieth, R. J. Tedford, F. Grimminger, H. Gall, and K. Tello. "A Novel Non-Invasive and Echocardiography-Derived Method for Quantification of Right Ventricular Pressure-Volume Loops." **Eur Heart J Cardiovasc Imaging** (Feb 28 2021).

Tello K, Dalmer A, Vanderpool R, Ghofrani HA, Naeije R, Roller F, Seeger W, Wilhelm J, Gall H, **Richter MJ**. Cardiac Magnetic Resonance Imaging-Based Right Ventricular Strain Analysis for Assessment of Coupling and Diastolic Function in Pulmonary Hypertension. **JACC Cardiovascular imaging**. 2019;12:2155-2164. doi: 10.1016/j.jcmg.2018.12.032

Gall, Henning, Athiththan Yogeswaran, Jan Fuge, Natascha Sommer, Friedrich Grimminger, Werner Seeger, Karen M. Olsson, Marius M. Hoepfer, **Manuel J. Richter**, Khodr Tello, and Hossein Ardeschir Ghofrani. "Validity of Echocardiographic Tricuspid Regurgitation Gradient to Screen for New Definition of Pulmonary Hypertension." **EclinicalMedicine** (2021).

Tello K, Dalmer A, Vanderpool R, Ghofrani HA, Naeije R, Roller F, Seeger W, Dumitrescu D, Sommer N, Brunst A, Gall H, **Richter MJ**. Impaired right ventricular lusitropy is associated with ventilatory inefficiency in pulmonary arterial hypertension. **The European respiratory journal** 2019: 54(5).

Richter MJ, Hsu S, Yogeswaran A, Husain-Syed F, Vadasz I, Ghofrani HA, et al. Right ventricular pressure-volume loop shape and systolic pressure change in pulmonary hypertension. **American journal of physiology Lung cellular and molecular physiology**. 2021;320(5):L715-L725.

Tello, K., **M. J. Richter**, A. Yogeswaran, H. A. Ghofrani, R. Naeije, R. Vanderpool, H. Gall, R. J. Tedford, W. Seeger, and T. Lahm. "Sex Differences in Right Ventricular-Pulmonary Arterial Coupling in Pulmonary Arterial Hypertension." **Am J Respir Crit Care Med** (Jun 5 2020).

Richter, M. J., A. Yogeswaran, and K. Tello. "Pulmonary Complications of Tyrosine Kinase Inhibitors in Myeloproliferative Disorders." **The European respiratory journal**. 56, no. 4 (Oct 2020).

Naeije R, **Richter MJ**, Rubin LJ. The physiologic basis of pulmonary arterial hypertension. **The European respiratory journal**. 2021.