

CURRICULUM VITAE

Jürgen Biederer Prof. Dr. med., d.o.b. May 22nd 1969
Osnabrück, Germany

EDUCATION, POSITIONS AND DEGREES:

- 2012-today University Hospital Heidelberg, Klinik für Diagnostische und interventionelle Radiologie
- 2020-today Head of Radiology, Regional Hospital Bergstrasse/UH Heidelberg
- 2017-today Visiting professor, Faculty of Medicine/University of Latvia, Riga
- 2007-today Associate Professor of the Faculty of Medicine/CAU Kiel
- 2012-today Pulmonary imaging researcher/PI (TLRC-Translational Lung Research Center Heidelberg; DZL-German Lung Research Center)
- 2014-2019 Head of Radiology, Groß Gerau County Hospital (private practice)
- 2012-2014 Head of the section Pulmonary Radiology and head of the Division Imaging in the Dpt. of Internal Medicine, UH Heidelberg
- 2011-2014 Ethics Committee Member/Faculty of Medicine Kiel
- 2007-2012 Vice Director of the Department of Diagnostic Radiology in Kiel
- 2005-2006 Head of the Emmy-Schmidt-Research Group „Image guided individual therapy of chest disease“ in Heidelberg
- 2005-2006 Fellowship in the Department of Radiology at German Cancer Research Center (DKFZ) of the Helmholtz Society (Heidelberg)
- 2003 Assistant Professor of Diagnostic Radiology
- 2001 Board certification in „Diagnostic Radiology“
- 1998 United States Medical License Examinations
- 1997-2005 Residency and Fellowship, Dpt. of Diagnostic Radiology, UH Kiel
- 1997 German License to Practice Medicine “Approbation“
- 1995-1996 Neurosurgery at Paracelsus-Klinik Osnabrück
- 1996 Thesis: “Differenzierung der elektrophysiologischen Merkmale cerebellärer Körnerzellen: Patch-Clamp-Untersuchungen an Primärkulturen aus Hühnerembryonen” (“magna cum laude”)
- 1991-1995 Scholarship of Studienstiftung des Deutschen Volkes
- 1989-1995 Medical School of Christian-Albrechts-University, Kiel

HONORS AND AWARDS:

- 2007 Felix-Wankel-Tierschutz-Award 2007 of the Ludwig Maximilians-University Munich
- 2003 Inventors Award of the German Radiologic Society for “Artificial Chest for Diagnostic Radiology“
- 2002 German patent No. 1011159.7. “Künstlicher Thorax (artificial chest)”.

CITATION RECORDS: Total citations: 2616; h-index: 29 (web of science)

10 SELECTED PUBLICATIONS:

- 1) *Biederer J, Heller M (2003) Artificial Thorax for MR Imaging Studies in porcine Heart-Lung Preparations. Radiology 226: 250-255*
- 2) *Biederer J, Schoene A, Freitag S, Heller M (2003) Simulated pulmonary nodules implanted in a dedicated porcine chest phantom: Sensitivity of MR imaging for detection. Radiology 227: 475-483*
- 3) *Biederer J, Both M, Graessner J, Liess C, Jakob P, Reuter M, Heller M (2003) Lung morphology: Fast MR imaging assessment with a volumetric interpolated breath-hold technique: Initial experience with Patients. Radiology 226: 242-249*
- 4) *Biederer J, Liess C, Charalambous N, Heller M (2004) Volumetric interpolated contrast-enhanced MRA for the diagnosis of pulmonary embolism in an ex vivo system. J Magn Reson Imaging 19: 428-437*
- 5) *Biederer J, Charalambous N, Paulsen F, Heller M, Müller-Hülsbeck S (2006) Treatment of Acute Pulmonary Embolism: Local Effects of Three Hydrodynamic Thrombectomy Devices in an Ex-Vivo Porcine Model. J Endovsc Ther 13:549-560*
- 6) *Fabel M, Wintersperger BJ, Dietrich O, Eichinger M, Fink C, Puderbach M, Kauczor HU, Schoenberg SO, Biederer J (2009) MRI of respiratory dynamics with 2D steady-state free-precession and 2D gradient echo sequences at 1.5 and 3 Tesla: an observer preference study. European Radiology 19:391-399*
- 7) *Biederer J, Beer M, Hirsch W, Wild J, Fabel M, Puderbach M, Van beek EJR (2012) MRI of the lung (2/3). Why ... when ... how? Insights Imaging 3: 355-371*
- 8) *Biederer J, Beer M, Hirsch W, Wild J, Fabel M, Puderbach M, Van Beek EJR (2012) MRI of the lung (3/3) – current applications and future perspectives. Insights Imaging Insights Imaging 3: 373-386*
- 9) *Biederer J (2019) Using Lung MRI and Elastic Registration to Assess Pulmonary Fibrosis. Radiology 291:493-494 (doi: 10.1148/radiol.2019190233)*
- 10) *Sodhi KS, Ciet P, Vasanawala S, Biederer J (2021): Practical protocol for lung magnetic resonance imaging and common clinical indications. Pediatr Radiol. 26:1-17. doi: 10.1007/s00247-021-05090-z.*