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Affiliation Department of Diagn & Interv. Radiology
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Position W3 Professor and Chair



Since 2013 Medical Director Diagnostic and Interventional Radiology University Ulm/Germany
2013 Professor for General Radiology University Ulm/Germany
2009 Professor for Pediatric Radiology University Graz/Austria
2009 Professor for Clinical Radiology University Wuerzburg/Germany
2008-2010 Member of the Working Group Cardiac Imaging of the German Roentgen Society
2007-2012 Assistant Medical Director
Head: Division of Pediatric Radiology University Wuerzburg
2006 consultant "Pediatric Radiology"
2003-2006 residency in Pediatric Radiology (University Wuerzburg/Germany)
2004 Habilitation treatise (University Wuerzburg/Germany)
2003 consultant "General Radiology"
1995-2003 residency in General Radiology (University Wuerzburg/Germany)
1996 Thesis magna cum laude (University Wuerzburg/Germany)
1988 - 1995 Medical Schools in Regensburg und Wuerzburg/Germany

Research fields

Oncologic Imaging, Molecular Imaging including MRI (DWI) and CT (Spectral), Pediatric Imaging, Cardiovascular Imaging.

Funding

IZFK Wuerzburg

BMBF Germany

DFG Germany

Diverse funded projects within clinical studies

More than 1.000.000 €

Special achievements / awards / honors

Clinical studies

Cardio MRI Core Lab European Fabry disease study SOPHIA: multicenter trial on enzyme replacement therapy (ERT).

International cooperations

Centre for Clinical MR-Research, University of Oxford, Prof. Dr. Neubauer

Selected publications (10 most important publications of the last 10 years)

Neubauer H, Pabst T, Dick A, Machann W, Evangelista L, Wirth C, Köstler H, Hahn D, **Beer M**. Small-bowel MRI in children and young adults with Crohn disease: retrospective head-to-head comparison of contrast-enhanced and diffusion-weighted MRI. *Pediatr Radiol*. 2013 Jan;43(1):103-14.

Neubauer H, Evangelista L, Hassold N, Winkler B, Schlegel PG, Köstler H, Hahn D, **Beer M**. Diffusion-weighted MRI for detection and differentiation of musculoskeletal tumorous and tumor-like lesions in pediatric patients. *World J Pediatr*. 2012 Nov;8(4):342-9.

Neubauer H, Evangelista L, Morbach H, Girschick H, Prelog M, Köstler H, Hahn D, **Beer M**. Diffusion-weighted MRI of bone marrow oedema, soft tissue oedema and synovitis in paediatric patients: Feasibility and initial experience. *Pediatr Rheumatol Online J*. 2012 Jul 31; 10(1):20.doi: 10.1186/1546-0096-10-20.

Neubauer H, Morbach H, Schwarz T, Wirth C, Girschick H, **Beer M**. Popliteal Cysts in Paediatric Patients: Clinical Characteristics and Imaging Features on Ultrasound and Magnetic Resonance Imaging. *Arthritis* 2011;2011:751593.

Machann W*, **Beer M***, Breunig M, Störk S, Angermann C, Seufert I, Schwab F, Kölbl O, Flentje M, Vordermark D. Cardiac magnetic resonance imaging findings in 20-year survivors of mediastinal radiotherapy for Hodgkin's disease. *Int J Radiat Oncol Biol Phys*. 2011; 79:1117-23. *both contributed equally. Impact: 4.105

Machann W, Breunig F, Weidemann F, Sandstede J, Hahn D, Köstler H, Neubauer S, Wanner C, **Beer M**. Cardiac energy metabolism is disturbed in Fabry disease and improves with enzyme replacement therapy using recombinant human galactosidase A. *Eur J Heart Fail* 2011 Jan 31. [Epub ahead of print] Impact: 4.512

Weininger M, Sagmeister F, Herrmann S, Lange V, Schoepf UJ, Voelker W, Koestler H, Hahn D, Weidemann F, **Beer M**. Hemodynamic assessment of severe aortic stenosis: MRI evaluation of dynamic changes of vena contracta. *Investigative Radiology* 2011; 46:1-10. Impact: 4.665

Beer M, Wagner D, Myers J, Sandstede J, Köstler H, Hahn D, Neubauer S, Dubach P: Effects of Exercise Training on Myocardial Energy Metabolism and Ventricular Function Assessed by Quantitative ³¹P-MR-Spectroscopy and MRI in Dilated Cardiomyopathy. *J Am Coll Cardiol* 2008; 51:1883-1891. Impact: 9.133

Beer M, Weidemann F, Breunig F, Knoll A, Koeppe S, Machann W, Hahn D, Wanner C, Strotmann J, Sandstede J: Late Enhancement and Fabry Cardiomyopathy: Impact of Enzyme Replacement Therapy on Cardiac Morphology and Function. *Am J Cardiol* 2006; 97:1515–1518. Impact: 3.140

Beer M, Seyfarth T, Sandstede J, Landschütz W, Lipke C, Köstler H, von Kienlin M, Harre K, Hahn D, Neubauer S: Absolute Concentrations of Myocardial High-Energy Phosphate Metabolites in Normal, Hypertrophied and Failing Human Myocardium, Measured Non-Invasively with ³¹P-SLOOP-Magnetic Resonance Spectroscopy. *J Am Coll Cardiol* 2002 40: 1267-1274. Impact: 9.133