

CURRICULUM VITAE

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Education:
 10/2006 – 05/2010 Ph.D. in Medical Physics (Thesis: “Influence of sequence protocol variations on MR image texture at 3.0 Tesla: implications for texture-based pattern classification in a clinical setting”), Medical University of Vienna
 10/1997 – 05/2004 M.D. (Thesis: “Preoperative MRI in patients with subacromial impingement”) Medical University of Vienna

Professional Development:

since 10/2013 Associate Professor of Radiology (Tenure), Medical University of Vienna
 04/2012 – 09/2013 Assistant Professor of Radiology (Tenure), Medical University of Vienna
 since 10/2011 Privatdozent of Radiology (Habilitation: Oct 25, 2011), Medical University of Vienna
 since 05/2011 Staff radiologist (National Board Exam Radiology: 09/2010), Dept. of Biomedical Imaging and Image-guided Therapy, Medical University of Vienna

Clinical Training:

12/2011 Visiting Scholar, Department of Nuclear Medicine (PET/MR Unit), Klinikum Rechts der Isar, Technical University of Munich, Germany
 10/2010 – 12/2010 ESOR Scholar (Oncologic Imaging), Department of Radiology at Addenbrooke’s Hospital, University of Cambridge, United Kingdom
 06/2006 – 04/2011 Resident in radiology at the Department of Radiology, Medical University of Vienna, Vienna General Hospital, Austria
 09/2005 – 05/2006 Resident in radiology at the Institute of Radiology, Hospital of Oberwart, Austria
 06/2005 – 08/2005 Resident in surgery at the Private Practice of Dr. Peter Bielik, Vienna, Austria
 11/2004 – 05/2005 Resident in internal medicine at the Department of Internal Medicine, Military Hospital of Vienna, Austria

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Peer Review Service: European Radiology [Editorial Board], RoeFo [Editor], International Journal of Cancer, Investigative Radiology, Magnetic Resonance in Medicine, Osteoarthritis and Cartilage, Journal of Magnetic Resonance Imaging

Memberships: European Society of Radiology, Austrian Roentgen Society, Radiological Society of North America, Ethics Committee of the Medical University of Vienna

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Original Research Articles:

1. **Mayerhoefer ME**, Karanikas G, Kletter K, Prosch H, Kiesewetter B, Skrabs C, Porpaczy E, Weber M, Knogler T, Sillaber C, Jaeger U, Simonitsch-Klupp I, Ubl P, Muellauer L, Dolak W, Lukas J, Raderer M. Evaluation of diffusion-weighted magnetic resonance imaging for follow-up and treatment response assessment of lymphoma: results of an 18F-FDG-PET/CT-controlled prospective study in 64 patients. *Clin Cancer Res.* 2015 [accepted: Feb 25, 2015].
2. Knogler T, El-Rabadi K, Weber M, Karanikas G, **Mayerhoefer ME**. Three-dimensional texture analysis of contrast enhanced CT images for treatment response assessment in Hodgkin lymphoma: Comparison with F-18-FDG PET. *Med Phys.* 2014; 41:121904.
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6. Kiesewetter B, Lukas J, Kuchar A, **Mayerhoefer ME**, Müllauer L, Raderer M. Clarithromycin leading to complete remission in the first-Line treatment of ocular adnexal mucosa-associated lymphoid tissue lymphoma. *J Clin Oncol.* 2014;Apr28.
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8. Wöhrer S, Kiesewetter B, Fischbach J, Müllauer L, Troch M, Lukas J, **Mayerhoefer ME**, Raderer M. Retrospective comparison of the effectiveness of various treatment modalities of extragastric MALT lymphoma: a single-center analysis. *Ann Hematol.* 2014;93:1287-1295.
9. Magnaldi S, **Mayerhoefer ME**, Khameneh A, Schuetz M, Javor D, Mitterhauser M, Dudczak R, Hacker M, Karanikas G. 18F-DOPA PET/CT and MRI: description of 12 histologically-verified pheochromocytomas. *Anticancer Res.* 2014;34:791-795.
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47. **Mayerhoefer ME**, Breitsenseher MJ. MRI of the lateral ankle ligaments: value of three-dimensional orientation. *RoFo.* 2003;175:670-675.

Review Articles:

1. **Mayerhoefer ME**, Ba-Ssalamah A, Prosch H. Oncologic imaging: indications for and limitations of modern cross-sectional imaging techniques. *Radiologe*. 2013;53:313-321.
2. Halpern BS, **Mayerhoefer ME**. Tumor boards: why they are necessary and which structure is needed. *Radiologe*. 2013;53:336-340.
3. Brader P, Menu Y, Kreuzer S, Polanec S, **Mayerhoefer ME**, Herold CJ. Imaging in oncology: terms and definitions. *Radiologe*. 2013;53:303-312.
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9. Breitensteher MJ, **Mayerhoefer M**, Gottsauner-Wolf F, Krestan C, Toma CD, Imhof H. Diagnostic imaging in hip prostheses. *Radiologe*. 2002;42:474-479

Scientific Oral Presentations:

1. Knogler T, Karanikas G, Weber M, El-Rabadi K, **Mayerhoefer ME**. Treatment response assessment in Hodgkin lymphoma: in search for morphological correlates of metabolic activity. *ECR European Congress of Radiology 2013*.
2. Knogler T, Pinker-Domenig, Perry N, Milner S, **Mayerhoefer ME**. Texture analysis of malignant breast tumours: is a differentiation of ductal carcinoma in situ, invasive ductal and invasive lobular breast cancer possible? *ECR European Congress of Radiology 2013*.
3. **Mayerhoefer ME**, Prosch H, Herold CJ, Weber M, Karanikas G. Assessment of pulmonary melanoma metastases with (18)F-FDG PET/CT: which PET-negative patients require additional tests for definitive staging? *Radiological Society of North America Annual Meeting 2012*.
4. Schernthaner RE, Arnoldner C, **Mayerhoefer ME**, Czerny C. Texture analysis for the differentiation of cholesteatoma and middle ear inflammation at non-enhanced high-resolution CT. *Radiological Society of North America Annual Meeting 2012*.

5. **Mayerhoefer ME**, Knogler T, Ba-Ssalamah A, Weber M, Herneth A, Mitterhauser M, Eidherr H, Wadsak W, Trattnig S, Karanikas G. Gadoxetate-enhanced vs Diffusion-weighted MRI for fused (68)Ga-DOTANOC PET/MRI in patients with neuroendocrine tumors of the abdomen. *Radiological Society of North America Annual Meeting 2012*.
6. **Mayerhoefer ME**, Zbyn S, Stelzeneder D, Welsch GH, Negrin L, Trattnig S. Evaluation of ²³Na (sodium) content in native hyaline cartilage and repair tissue after two cartilage repair techniques in the knee with 7 T MR imaging. *RSNA Radiological Society of North America Annual Meeting 2011*.
7. Baroud S, Schernthaner RE, **Mayerhoefer ME**, Wibmer A, Muin D, Ba-Ssalamah A. Feasibility of texture-based classification of different types of ascites at contrast-enhanced multidetector CT: preliminary results. *RSNA Radiological Society of North America Annual Meeting 2011*.
8. Fruehwald-Pallamar J, Fruehwald L, **Mayerhoefer ME**, Nemeč SF, Nöbauer-Huhmann IM, Herneth AM, Czerny C. Diffusion weighted MR imaging of parotid gland tumors at 3T. *ECR European Congress of Radiology 2010*
9. Scheurecker G, Pinker K, **Mayerhoefer M**, Stelzeneder D, Apprich S, Trattnig S. dGEMRIC of the meniscus: Preliminary results. *ECR European Congress of Radiology 2010*
10. Fruehwald-Pallamar J, Nemeč SF, Fruehwald L, **Mayerhoefer ME**, Herneth AM, Weber M, Czerny C. Diffusion weighted MR imaging at 3T in primary head neck squamous cell carcinoma (SCC). *ECR European Congress of Radiology 2010*
11. Trattnig S, Apprich S, Szomolanyi P, **Mayerhoefer ME**, Mamisch TC, Welsch GH. Detection of degenerative cartilage disease: Comparison of high resolution morphological MR and quantitative T2 mapping at 3.0 Tesla. *ECR European Congress of Radiology 2010*
12. Pinker K, Perry N, Milner S, Mokbel K, **Mayerhoefer ME**. Texture analysis applied to full field digital mammography: ability to discriminate between invasive ductal and invasive lobular breast cancer - preliminary results. *RSNA Radiological Society of North America Annual Meeting 2009*
13. Fruehwald-Pallamar J, Nemeč SF, **Mayerhoefer ME**, Herneth AM, Karanikas G, Czerny C. ADC and SUV values in primary head neck squamous cell carcinoma. *ESHNR European Society of Head and Neck Radiology Annual Meeting and Refresher Course 2009*
14. **Mayerhoefer ME**, Kramer J, Breitenseher M, Norden C, Vakil-Adli A, Hofmann S, Meizer R, Siedentop H, Aigner N. MRI-controlled outcome of necrosis-associated subchondral stress fractures of the knee following oral treatment with Iloprost or Tramadol. *ECR European Congress of Radiology 2007*
15. **Mayerhoefer ME**, Breitenseher MJ, Amann G, Dominkus M. Texturanalyse des Graustufen-Histogramms zur Klassifikation von Weichteilläsionen auf T1-gewichteten und STIR MR-Aufnahmen. *ÖRG Österreichischer Röntgenkongress 2006*
16. **Mayerhoefer ME**, Breitenseher MJ, Aigner N, Hofmann S, Norden C, Vakil-Adli A, Kramer J. Assessment of bone marrow edema and subchondral lesions of the knee: MRI controlled outcome following oral treatment with Iloprost or Tramadol. *ECR European Congress of Radiology 2006*
17. **Mayerhoefer ME**, Breitenseher MJ. Texture analysis of soft tissue tumors for discrimination of benign and malignant lesions. *ESSR / BSSR British and European Societies of Skeletal Radiology Scientific Meeting 2005*

18. **Mayerhoefer ME**, Breitsenseher MJ. Assessment of acromial shape with MRI: influence of slice position on diagnostic value and comparison with conventional radiographs. *ESSR / BSSR British and European Societies of Skeletal Radiology Scientific Meeting 2005*
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20. Breitsenseher MJ, **Mayerhoefer ME**. MRI of the lateral ankle ligaments: value of three-dimensional orientation for full-length visualization. *ESSR / BSSR British and European Societies of Skeletal Radiology Scientific Meeting 2005*
21. Breitsenseher MJ, **Mayerhoefer ME**. Oblique MR imaging of frequently injured ankle tendons. *ESSR / BSSR British and European Societies of Skeletal Radiology Scientific Meeting 2005*
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23. **Mayerhoefer ME**, Breitsenseher MJ, Kramer J, Aigner N, Norden C, Hofmann S. STIR versus T1-gewichtete Kontrastmittel-verstärkte fettunterdrückte MR-Bildgebung bei Patienten mit Knochenmarködemen des Knies: Vergleich mit einer neuen Computer-gestützten Methode. *DRG Deutscher Röntgenkongress 2005*
24. **Mayerhoefer ME**, Breitsenseher MJ, Roposch A, Treitl C, Wurnig C. Bestimmung der Akromionform durch die MRT: Einfluss der Schichtposition und Vergleich mit konventionellem Röntgen. *DRG Deutscher Röntgenkongress 2005*
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29. Breitsenseher M, **Mayerhoefer M**, Kramer J, Aigner N, Hofmann S. Quantitative assessment of bone marrow edemas (BME) of the knee: comparison of two methods. *ARCO Association Research Circulation Osseus Symposium 2003*
30. **Mayerhoefer M**, Roposch A, Wurnig C, Breitsenseher M. Präoperative MR-Untersuchungen bei subacromialem Impingementsyndrom. *DRG Deutscher Röntgenkongress 2002*

31. Roposch A, Wurnig C, **Mayerhoefer M**, Breitenseher M. Die Darstellung des Acromions im Nativröntgen und MRT bei subacromialem Impingementsyndrom. *Deutscher Orthopädenkongress 2001*

Scientific Poster Presentations:

1. **Mayerhoefer ME**, Karanikas G, Prosch H, Kiesewetter B, Weber M, Knogler T, Raderer M. Evaluation of diffusion-weighted magnetic resonance imaging for pre-therapeutic assessment and staging of lymphoma: results of a prospective study in 140 patients. *RSNA Radiological Society of North America Annual Meeting 2014*
2. **Mayerhoefer ME**, Karanikas G, Kletter K, Prosch H, Pinker-Domenig K, Berzaczy D, Weber M, Jaeger U, Kiesewetter B, Ubl P, Raderer M. Evaluation of diffusion-weighted magnetic resonance imaging for pre-therapeutic assessment and staging of lymphoma: results of a prospective study in 140 patients. *RSNA Radiological Society of North America Annual Meeting 2014*
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