

Publication list

Peer-reviewed manuscripts

1. Weikl A, Friedrich M, Bachmann K, Sauter R, Reinhardt ER. Localized 31P-spectroscopy of the human heart. *Radiol Med (Torino)*. 1990;80:168-71.
2. Friedrich M, Weikl A, Sauter R, Reinhardt ER, Bachmann K. [Localized 31 phosphorus NMR spectroscopy of the human heart-- development of a measuring method and initial clinical application]. *Z Kardiol*. 1991;80:266-71.
3. Pongratz G, Friedrich M, Unverdorben M, Kunkel B, Bachmann K. Hypertrophic obstructive cardiomyopathy as a manifestation of a cardiocutaneous syndrome (Noonan syndrome). *Klin Wochenschr*. 1991;69:932-6.
4. Reynen K, Wittekind C, Rein J, Friedrich M, Bachmann K. [Rhabdomyolipoma of the right ventricle]. *Dtsch Med Wochenschr*. 1992;117:1439-44.
5. Friedrich MG, Dill H, Unverdorben M, Engels G, Scheele H, Bachmann K. Adrenal carcinoma with intravenous extension into the tricuspid valvular plane in a patient with patent foramen ovale. *Eur Heart J*. 1994;15:708-9.
6. Hauck S, Friedrich M, Dechend R, Gulba DC, Dietz R. Continuous 3-dimensional vectorcardiography, a valuable tool for online ischemia monitoring. *Fibrinolysis* 1995;9:114-120.
7. Friedrich MG, Strohm O, Osterziel KJ, Dietz R. Growth hormone therapy in dilated cardiomyopathy monitored with MRI. *Magma*. 1998;6:152-4.
8. Friedrich MG, Strohm O, Schulz Menger J, Marciniak H, Luft FC, Dietz R. Contrast media-enhanced magnetic resonance imaging visualizes myocardial changes in the course of viral myocarditis. *Circulation*. 1998;97:1802-9.
9. Kohne CH, Thuss-Patience P, Friedrich M, Daniel PT, Kretschmar A, Benter T, Bauer B, Dietz R, Dorken B. Raltitrexed (Tomudex): an alternative drug for patients with colorectal cancer and 5-fluorouracil associated cardiotoxicity. *Br J Cancer*. 1998;77:973-7.
10. Osterziel KJ, Strohm O, Schuler J, Friedrich M, Hanlein D, Willenbrock R, Anker SD, Poole Wilson PA, Ranke MB, Dietz R. Randomised, double-blind, placebo-controlled trial of human recombinant growth hormone in patients with chronic heart failure due to dilated cardiomyopathy. *Lancet*. 1998;351:1233-7.
11. Friedrich MG, Strohm O, D. K, Gross W, Wagner A, Schulz-Menger J, Liu X, Hamm B, Dietz R. Behaviour of implantable coronary stents during magnetic resonance imaging. *Int J Cardiovasc Int*. 1999;2:217-222.
12. Friedrich MG, Strohm O, Schulz Menger J, Marciniak H, Luft FC, Dietz R. Noninvasive diagnosis of acute myocarditis by contrast-enhanced magnetic resonance imaging - response to the author. *Circulation*. 1999;99:459-460 (letter).
13. Strohm O, Friedrich MG, v Harsdorf R, Osterziel K, Dietz R. Growth hormone therapy in heart failure. *Z Kardiol*. 1999;88 Suppl 3:S40-S46.

14. Strohm O, Kivelitz D, Gross W, Schulz-Menger J, Liu X, Hamm B, Dietz D, Friedrich MG. Safety of implantable coronary stents during 1H-magnetic resonance imaging at 1.0 and 1.5 T. *J Cardiovasc Magn Res.* 1999;1:239-245.
15. Pilz B, Woywodt A, Friedrich MG, Dietz R, Luft FC. A left-to-left shunt. *American J Med* 1999;106:487-488.
16. Friedrich MG. Magnetic Resonance in Cardiomyopathies. *J Cardiovasc Magn Res.* 2000;2:67-82.
17. Schulz-Menger J, Friedrich MG. Magnetic resonance imaging in patients with cardiomyopathies: when and why. *Herz.* 2000;25:384-91.
18. Schulz-Menger J, Strohm O, Waigand J, Uhlich F, Dietz R, Friedrich MG. The value of magnetic resonance imaging of the left ventricular outflow tract in patients with hypertrophic obstructive cardiomyopathy after septal artery embolization. *Circulation.* 2000;101:1764-6.
19. Friedrich MG, Schulz-Menger J, Strohm O, Dick AJ, Dietz R. The diagnostic impact of 2D- versus 3D left ventricular volumetry by MRI in patients with suspected heart failure. *MAGMA.* 2000;11:16-19.
20. Schulz-Menger J, Strohm O, Dietz R, Friedrich MG. Visualization of cardiac involvement in patients with systemic sarcoidosis applying contrast-enhanced magnetic resonance imaging. *MAGMA.* 2000;11:82-83.
21. Strohm O, Schulz-Menger J, Philipp S, Osterziel K-J, Schubel B, Schneider W, Dietz R, Friedrich MG. Biatrial Cardiac Myxoma. *J Cardiovasc Magn Res.* 2000;2:118-122.
22. Schulz-Menger J, Strohm O, Waigand J, Uhlich F, Dietz R, and Friedrich MG. MRI Versus 3D Echocardiography in Postinterventional Patients With Hypertrophic Obstructive Cardiomyopathy. *Circulation* 2001 104: e32 - e33 (letter).
23. Strohm O, Schulz-Menger J, Pilz B, Osterziel K, Dietz R, Friedrich M. Measurement of Left Ventricular Dimensions and Function in Patients with Dilated Cardiomyopathy. *J Magn Res Imaging.* 2001;13:367-371.
24. Strohm O, Schulz-Menger J, Hanlein D, Dietz R, Friedrich MG. Magnetic resonance planimetry of the vena contracta as a new approach to assessment of stenotic heart valves: An in vitro study. *J Magn Reson Imaging.* 2001;14:31-4.
25. Waßmuth R, Lentzsch S, Erdbrügger U, Schulz-Menger J, Dörken B, Dietz R, Friedrich, MG. Subclinical Cardiotoxic Effects of Anthracyclines as assessed by Magnetic Resonance Imaging - a Pilot Study. *Am Heart Journal.* 2001;141:1007-13.
26. Dechend R, Pilz B, Friedrich M, Luft FC, Dietz R. Endocarditis and extrinsic coronary compression. *Am J Med* 2002;113:440-1.
27. Friedrich MG, Schulz-Menger J, Poetsch T, Pilz B, Uhlich F, Dietz R. Quantification of valvular aortic stenosis by magnetic resonance imaging. *Am Heart J* 2002;144:329-334.

28. Wagner A, Schulz-Menger J, Dietz R, Friedrich MG. Long-term follow-up of patients with acute myocarditis by magnetic resonance imaging. *MAGMA* 2003 Feb;16(1):17-20.
29. Messroghli DR, Niendorf T, Schulz-Menger J, Dietz R, Friedrich MG. T₁ Mapping in Patients with Acute Myocardial Infarction. *J Cardiovasc Magn Res* 2003;5:353-359.
30. Schulz-Menger J, Gross M, Messroghli D, Uhlich F, Dietz R, and Friedrich MG. Cardiovascular Magnetic Resonance of Acute Myocardial Infarction at a Very Early Stage. *J Am Coll Cardiol* 2003;42:513-518.
31. Friedrich MG, Niendorf T, Schulz-Menger J, Gross CM, Dietz R. Blood-Oxygen-Level-Dependent (BOLD) Magnetic Resonance Imaging in Patients with Stress-Induced Angina. *Circulation* 2003;108:2219-2223.
32. Schulz-Menger J, Wassmuth R, Friedrich MG. Kardiale Magnetresonanztomographie: Myokard- und Perikarderkrankungen. *J Kardiol* 2003;10:8-12.
33. Friedrich MG, Dahlof B, Sechtem U, Unger T, Knecht M, Dietz R. Telmisartan effectiveness on left ventricular mass reduction (TELMAR) as assessed by magnetic resonance imaging in patients with mild-to-moderate hypertension a prospective, randomised, double-blind comparison of telmisartan with metoprolol over a period of six months - rationale and study design. *J Renin Angio Aldo S* 2003;4:234-243.
34. Harikrishna T, Friedrich MG, Calkins H, Bluemke DA. MRI of Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia, *J Cardiovasc Magn Res* 2004;6:557-563.
35. Taylor AJ, Al-Saadi N, Abdel-Aty H, Schulz-Menger J, Messroghli D, Friedrich MG. Detection of acutely impaired microvascular reperfusion following infarct angioplasty with magnetic resonance imaging. *Circulation* 2004;109:2080-2085.
36. Friedrich MG, Schulz-Menger J, Dietz R. Magnetic resonance to assess the aortic valve area in aortic stenosis. *J Am Coll Cardiol* 2004;43:2148 (letter).
37. Abdel-Aty H, Zagrosek A, Schulz-Menger J, Taylor AJ, Messroghli D, Kumar A, Gross CM, Friedrich MG. Delayed Enhancement and T2-Weighted Cardiovascular Magnetic Resonance Imaging Differentiate Acute from Chronic Myocardial Infarction. *Circulation* 2004;109:2411-2416.
38. Friedrich MG, Schulz-Menger J, Dietz R. Magnetic resonance to assess the aortic valve area in aortic stenosis. *J Am Coll Cardiol* 2004;43:2148; author reply 2148-9.
39. Wolff SD, Schwitter J, Coulden R, Friedrich MG, Bluemke DA, Biederman RW, Martin ET, Lansky AJ, Kashanian F, Foo TK, Licato PE, Comeau CR. Myocardial first-pass perfusion magnetic resonance imaging: a multicenter dose-ranging study. *Circulation*. 2004;110:732-7.
40. Giang TH, Nanz D, Coulden R, Friedrich M, Graves M, Al-Saadi N, Luscher TF, von Schulthess GK, Schwitter J. Detection of coronary artery disease by magnetic resonance myocardial perfusion imaging with various contrast

- medium doses: first European multi-centre experience. *Eur Heart J*. 2004;25:1657-65.
41. Abdel-Aty H, Friedrich M, Schulz-Menger J. Myocardial infarction after coronary revascularization: Role of cardiovascular magnetic resonance oedema imaging. *Eur Heart J*. 2004;25:2172.
 42. Gross CM, Schulz-Menger J, Kramer J, Siegel I, Pilz B, Waigand J, Friedrich MG, Uhlich F, and Dietz R. Percutaneous transluminal septal artery ablation using polyvinyl alcohol foam particles for septal hypertrophy in patients with hypertrophic obstructive cardiomyopathy: acute and 3-year outcomes. *J Endovasc Ther*. Dec 2004;11(6):705-711.
 43. Abdel-Aty H, Friedrich M. Myocardial masses. In: Hundley, WG, ed. *Cardiovascular Magnetic Resonance Self-Assessment Program*. Bethesda, MD: American College of Cardiology Foundation, 2004.
 44. Abdel-Aty H, Boyé, Bock P, Kumar A, Friedrich MG. Stenotic mitral valve prosthesis with left atrial thrombus. *J Cardiovasc Magn Res* 2005;7:421-423.
 45. Abdel-Aty H, Boye P, Zagrosek A, Wassmuth R, Kumar A, Messroghli D, Bock P, Dietz R, Friedrich MG. Diagnostic Performance of Cardiovascular Magnetic Resonance in Patients with Suspected Acute Myocarditis: Comparison of Different Approaches. *J Am Coll Cardiol* 2005;45:1815-1822.
 46. Utz W, Jordan J, Niendorf N, Stoffels, M, Luft FC, Dietz R, Friedrich MG. Blood Oxygen Level-Dependent Magnetic Resonance Imaging of Tissue Oxygenation – Relation to Endothelium-Dependent and Endothelium-Independent Blood Flow Changes. *Ath Tromb Vasc Biol* 2005;25:1408-1413.
 47. Kramer CM, Friedrich MG, Neubauer S, et al. Meeting highlights of the 8th Annual Scientific Sessions of the Society For Cardiovascular Magnetic Resonance, January 21 to 23, 2005. *J Am Coll Cardiol* 2005;46(3):411-6.

Book chapters

1. Friedrich MG, Weikl A. Herz. In: *Klinische Magnetresonanztomographie* 1993.
2. Kolem H, Sauter R, Friedrich M, Schneider M, Wicklow K. Nuclear Overhauser Enhancement and Protonon Decoupling in Phosphorus Chemical Shift Imaging of the Human Heart. In: Pohost GM (ed.), *Cardiovascular Applications of Magnetic Resonance*. Mount Kisco, NY, Futura Publishing, 1993.
3. Gulba DC, Dechend R, Friedrich M, Dietz R. Gerinnungsaktive Begleittherapie. In: *thrombolyse und Antikoagulation in der Kardiologie*. Springer-Verlag Berlin, 1996.
4. Friedrich MG. Non-ischemic cardiomyopathy. In: Manning WJ, Pennell DJ, ed. *Cardiovascular Magnetic Resonance*. Orlando: Harcourt; 2002.
5. Friedrich MG. Magnetic Resonance Imaging. In: Ganten D and Ruckpaul K, ed. *Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine*, 2005.

6. Friedrich MG and Wassmuth R. MR of Cardiomyopathies & Myocarditis. In: Higgins CB and de Roos A, ed. MRI and CT of the Cardiovascular System, Second Edition, 2005.