



Publications SCMRC Working Group

November 2006

1. Skouri HN, Dec GW, Friedrich MG, Cooper TL. Noninvasive Imaging in Myocarditis. *J Am Coll Cardiol* 2006;48:2085-2093.
[Noninvasive imaging in myocarditis. J Am Coll Cardiol 2006](#)
2. Kumar A, Abdel-Aty H, Kriedemann I, Schulz-Menger J, Gross CM, Dietz R, Friedrich MG. Contrast-Enhanced Cardiovascular Magnetic Resonance Imaging of Right Ventricular Infarction. *J Am Coll Cardiol* 2006;48:1969-1976.
[CMR of RV Infarction J Am Coll Cardiol 2006](#)
3. Schulz-Menger J, Abdel-Aty H, Busjahn A, Wassmuth R, Pilz B, Dietz R, Friedrich M. Left Ventricular Outflow Tract Planimetry by Cardiovascular Magnetic Resonance Differentiates Obstructive from Non-obstructive Hypertrophic Cardiomyopathy. *J Cardiovasc Magn Res* 2006;8:741-746.
[Schulz-Menger et al. LVOT planimetry for HOCM and HNOCM JCMR 2006](#)
4. Kramer CM, Neubauer S, Kraitchman D, Higgins CB, Fogel M, Friedrich MG, Manning WJ. Highlights of the 9th Annual Scientific Sessions of the Society For Cardiovascular Magnetic Resonance, January 20 to 22, 2006. *J Am Coll Cardiol* 2006;187-192.
[Kramer et al. SCMR meeting highlights 2006 J Am Coll Cardiol 2006](#)
5. Schulz-Menger J, Wassmuth R, Abdel-Aty H, Siegel I, Franke A, Dietz R, Friedrich MG. Patterns of myocardial inflammation and scarring in sarcoidosis as assessed by cardiovascular magnetic resonance. *Heart*. Mar 2006;92(3):399-400.
[Schulz-Menger et al CMR of sarcoidosis Heart 2006](#)
6. Bernhardt P, Engels T, Knuf B, Strohm O. Cardiac magnetic resonance in outpatients in Germany--indications, complications and protocol suggestions from a high-volume center. *Int J Cardiol*. 2006 Jul 28;111(1):86-91
[Bernhardt et al. CMR in Germany Int J Cardiol 2006](#)
7. Bernhardt P, Engels T, Levenson B, Haase K, Albrecht A, Strohm O. Prediction of necessity for coronary artery revascularization by adenosine contrast-enhanced magnetic resonance imaging. *Int J Cardiol*. 2006 Sep 20;112(2):184-90
[Bernhardt et al. Predictors of necessity in Adenosine CMR Int J Cardiol 2006](#)
8. Bernhardt P, Steffens M, Kleinertz K, Morell R, Budde R, Leischik R, Kramer A, Overhoff U, Strohm O. Safety of adenosine stress magnetic resonance imaging using a mobile cardiac magnetic resonance system. *J Car-*



Publications SCMRC Working Group

November 2006

- diovasc Magn Reson. 2006;8(3):475-8
[Bernhardt et al. Safety of Adenosine CMR JCMR 2006](#)
9. Bernhardt P, Levenson B, Engels T, Strohm O. Contrast-enhanced adenosine-stress magnetic resonance imaging : Feasibility and practicability of a protocol for detection or exclusion of ischemic heart disease in an outpatient setting. Clin Res Cardiol. 2006 Sep;95(9):461-7
[Bernhardt et al. Practicability of Adenosine CMR Clin Res Cardiol 2006](#)
 10. Zagrosek A, Noeske R, Abdel-Aty H, Friedrich MG, Dietz R, Schulz-Menger J. MR coronary angiography using 3D-SSFP with and without contrast application. J Cardiovasc Magn Reson. 2005;7(5):809-814.
[Zagrosek et al., MRCA with 3D-SSFP](#)
 11. Utz W, Jordan J, Niendorf T, Stoffels M, Luft FC, Dietz R, Friedrich MG. Blood oxygen level-dependent MRI of tissue oxygenation: relation to endothelium-dependent and endothelium-independent blood flow changes. Arterioscler Thromb Vasc Biol. Jul 2005;25(7):1408-1413.
[Utz et al., BOLD MRI for endothelial function ATVB 2005](#)
 12. Kramer CM, Friedrich MG, Neubauer S, Stuber M, Geva T, Higgins CB, Manning WJ. Meeting highlights of the 8th Annual Scientific Sessions of the Society For Cardiovascular Magnetic Resonance, January 21 to 23, 2005. J Am Coll Cardiol. Aug 2 2005;46(3):411-416.
[Kramer et al. SCMR highlights 2005 J Am Coll Cardiol 2005](#)
 13. Abdel-Aty H, Boye P, Zagrosek A, Wassmuth R, Kumar A, Messroghli D, Bock P, Dietz R, Friedrich MG, Schulz-Menger J. Diagnostic performance of cardiovascular magnetic resonance in patients with suspected acute myocarditis: comparison of different approaches. J Am Coll Cardiol. Jun 7 2005;45(11):1815-1822.
[Abdel-Aty et al. Combined CMR protocol for myocarditis J Am Coll Cardiol 2005](#)
 14. Abdel-Aty H, Boye P, Bock P, Kumar A, Friedrich MG. Stenotic mitral valve prosthesis with left atrial thrombus. J Cardiovasc Magn Reson. 2005;7(2):421-423.
[Abdel-Aty et al. Mitral stenosis case JCMR 2005](#)
 15. Strohm O, Bernhardt P. Stellenwert des CMR in der nichtinvasiven Diagnostik. Herz. 2005 May;30(3):232-4
[Strohm et al. CMR in der nichtinvasiven Diagnostik Herz 2005](#)
 16. Strohm O, Engels T. Stellenwert der kardialen Magnetresonanztomographie. Herz + GefäÙe für die Hausarztpraxis 2005; 2(5) 11-15
 17. Wolff SD, Schwitter J, Coulden R, Friedrich MG, Bluemke DA, Biederman RW, Martin ET, Lansky AJ, Kashanian F, Foo TK, Licato PE, Comeau CR.



Publications SCMRC Working Group

November 2006

- Myocardial first-pass perfusion magnetic resonance imaging: a multicenter dose-ranging study. *Circulation*. Aug 10 2004;110(6):732-737.
[Wolff et al. CMR perfusion multicenter Eur H J 2004](#)
18. Taylor AJ, Al-Saadi N, Abdel-Aty H, Schulz-Menger J, Messroghli DR, Friedrich MG. Detection of acutely impaired microvascular reperfusion after infarct angioplasty with magnetic resonance imaging. *Circulation*. May 4 2004;109(17):2080-2085.
[Taylor et al. Perfusion after MI angioplasty. Circulation 2004 \(PDF\)](#)
 19. Tandri H, Friedrich MG, Calkins H, Bluemke DA. MRI of arrhythmogenic right ventricular cardiomyopathy/dysplasia. *J Cardiovasc Magn Reson*. 2004;6(2):557-563.
[Tandri et al. MRI of ARVC/D JCMR 2004](#)
 20. Gross CM, Schulz-Menger J, Kramer J, Siegel I, Pilz B, Waigand J, Friedrich MG, Uhlich F, 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.
[Gross et al. PT SMA with microparticles J Endovasc Ther 2004](#)
 21. 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*. Sep 2004;25(18):1657-1665.
[Giang et al. Adenosine CMR multicenter Eur H J 2004](#)
 22. Abdel-Aty H, Zagrosek A, Schulz-Menger J, Taylor AJ, Messroghli D, Kumar A, Gross M, Dietz R, Friedrich MG. Delayed enhancement and T2-weighted cardiovascular magnetic resonance imaging differentiate acute from chronic myocardial infarction. *Circulation*. May 25 2004;109(20):2411-2416.
 23. [Abdel-Aty et al. DE and T2 for acute and chronic MI JACC 2004](#)
 24. Strohm O, Heinemann S, Kleinertz K, Sechtem U. Applications in cardiovascular MRI and CT--clinical indications and training *Herz*. 2004 Mar;29(2):223-8.
[Strohm et al. CT and MRI indications and training Herz 2004](#)
 25. Wagner A, Schulz-Menger J, Dietz R, Friedrich MG. Long-term follow-up of patients with acute myocarditis by magnetic resonance imaging. *Magma*. Feb 2003;16(1):17-20.
[Wagner et al. CMR in the follow-up of myocarditis MAGMA 2003](#)



Publications SCMRC Working Group

November 2006

26. Schulz-Menger J, Wassmuth R, Friedrich MG. Kardiale Magnetresonanztomographie: Myokard- und Perikarderkrankungen. *J Kardiol.* 2003;10(1-2):8-12.
27. Schulz-Menger J, Gross M, Messroghli D, Uhlich F, Dietz R, Friedrich MG. Cardiovascular magnetic resonance of acute myocardial infarction at a very early stage. *J Am Coll Cardiol.* Aug 6 2003;42(3):513-518.
[Schulz-Menger et al. CMR of acute MI early JACC 2003](#)
28. Messroghli DR, Niendorf T, Schulz-Menger J, Dietz R, Friedrich MG. T1 mapping in patients with acute myocardial infarction. *J Cardiovasc Magn Reson.* 2003;5(2):353-359.
[Messroghli et al. T1 mapping in MI JCMR 2003](#)
29. Friedrich MG, Niendorf T, Schulz-Menger J, Gross CM, Dietz R. Blood oxygen level-dependent magnetic resonance imaging in patients with stress-induced angina. *Circulation.* Nov 4 2003;108(18):2219-2223.
[Friedrich et al. BOLD MRI of myocardial ischemia Circulation 2003](#)
30. Friedrich MG, Dahl f B, Sechtem U, Unger T, Knecht M, Investigators RD. 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 Angiotensin Aldosterone Syst.* Dec 2003;4(4):234-243.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=14689371
31. Friedrich MG. Seeing into the heart. *World Pharmaceutical Frontiers.* 2003;3:168-170.
32. 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.* Aug 2002;144(2):329-334.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=12177653
33. Dechend R, Pilz B, Friedrich M, Luft FC, Dietz R. Endocarditis and extrinsic coronary compression. *Am J Med.* Oct 1 2002;113(5):440-441.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=12401544
34. Wassmuth R, Lentzsch S, Erdbruegger U, Schulz-Menger J, Doerken B, Dietz R, Friedrich MG. Subclinical cardiotoxic effects of anthracyclines as assessed by magnetic resonance imaging-a pilot study. *Am Heart J.* 2001;141(6):1007-1013.
<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?db=m&form=6&dopt=r>

Publications SCMRC Working Group

November 2006



- &uid=11376317
<http://www.mosby.com/scripts/om.dll/serve?action=searchDB&searchDBfor=art&artType=abs&id=a115436&target=>
35. Strohm O, Schulz-Menger J, Pilz B, Osterziel KJ, Dietz R, Friedrich MG. Measurement of left ventricular dimensions and function in patients with dilated cardiomyopathy. *J Magn Reson Imaging*. 2001;13(3):367-371.
<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?db=m&form=6&dopt=r&uid=11241808>
 36. 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(1):31-34.
<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?db=m&form=6&dopt=r&uid=11436211>
 37. Franke A, Kuhl HP, Schoendube FA, Schulz-Menger J, Strohm O, Waigand J, Uhlich F, Dietz R, Friedrich MG. MRI Versus 3D Echocardiography in Postinterventional Patients With Hypertrophic Obstructive Cardiomyopathy (letter). *Circulation*. August 14, 2001 2001;104(7):e32-33.
<http://circ.ahajournals.org/cgi/reprint/104/7/e32?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=1&author1=Franke&author2=Friedrich&andorexacttitle=and&andorexacttitleabs=and&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT>
 38. Strohm O, Schulz-Menger J, Philipp S, Osterziel K-J, Schubel B, Schneider W, Dietz R, Friedrich MG. Batrial Cardiac Myxoma. *J Cardiovasc Magn Res*. 2000;2(2):118-122.
 39. 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(15):1764-1766.
<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?db=m&form=6&dopt=r&uid=0010769274>
<http://www.circulationaha.org/cgi/content/full/101/15/1764>
 40. 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(1-2):82-83.
<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?db=m&form=6&dopt=r&uid=11186999>
 41. Schulz-Menger J, Friedrich MG. Magnetic resonance imaging in patients with cardiomyopathies: when and why. *Herz*. 2000;25(4):384-391.



Publications SCMRC Working Group

November 2006

- <http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?db=m&form=6&dopt=r&uid=0010948774>
42. 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.
 43. Friedrich MG. Magnetic resonance imaging in cardiomyopathies. *J Cardiovasc Magn Reson*. 2000;2(1):67-82.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=11545109
 44. Osterziel KJ, Bode-Boger SM, Strohm O, Ellmer AE, Bit-Avragim N, Hanlein D, Ranke MB, Dietz R, Boger RH. Role of nitric oxide in the vasodilator effect of recombinant human growth hormone in patients with dilated cardiomyopathy. *Cardiovasc Res*. 2000 Jan 14;45(2):447-53
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=10728365&query_hl=1&itool=pubmed_docsum
 45. Osterziel KJ, Ranke MB, Strohm O, Dietz R. The somatotrophic system in patients with dilated cardiomyopathy: relation of insulin-like growth factor-1 and its alterations during growth hormone therapy to cardiac function. *Clin Endocrinol (Oxf)*. 2000 Jul;53(1):61-8
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=10931081&query_hl=1&itool=pubmed_docsum
 46. Osterziel KJ, Blum WF, Strohm O, Dietz R. The severity of chronic heart failure due to coronary artery disease predicts the endocrine effects of short-term growth hormone administration. *J Clin Endocrinol Metab*. 2000 Apr;85(4):1533-9
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=10770193&query_hl=1&itool=pubmed_docsum
 47. Strohm O, Kivelitz D, Gross W, Schulz-Menger J, Liu X, Hamm B, Dietz R, 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(3):239-245.
 48. 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.
<http://www.ncbi.nlm.nih.gov/cgi-bin/Entrez/referer?http://link.springer.de/link/service/journals/00392/bibs/9088015/9088S040.htm>



Publications SCMRC Working Group

November 2006

49. Pilz B, Woywodt A, Friedrich M, Dietz R, Luft FC. A left-to-left shunt. *Am J Med.* Apr 1999;106(4):488-489.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=10225257
50. 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).
51. Friedrich MG, Strohm O, Kivelitz D, Gross W, Wagner A, Schulz-Menger J, Liu X, Hamm B. Behaviour of implantable coronary stents during magnetic resonance imaging. *Int J Cardiovasc Intervent.* 1999;2(4):217-222.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=12623571
52. 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.* Apr 25 1998;351(9111):1233-1237.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=9643742
53. Kohne CH, Thuss-Patience P, Friedrich M, Daniel PT, Kretzschmar 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(6):973-977.
54. 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(18):1802-1809.
Friedrich et al MRI of Myocarditis. *Circulation* 1998 (PDF)
55. Friedrich MG, Strohm O, Osterziel KJ, Dietz R. Growth hormone therapy in dilated cardiomyopathy monitored with MRI. *Magma.* Sep 1998;6(2-3):152-154.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=9803395
56. Strohm O, Osterziel KJ, Dietz R. Insulin-like growth factor-I and risk of breast cancer. *Lancet.* 1998 Aug 8;352(9126):489
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=9708783&query_hl=1&itool=pubmed_docsu



Publications SCMRC Working Group

November 2006

57. Osterziel KJ, Markus U, Willenbrock R, Strohm O, Dietz R. Therapy of dilated cardiomyopathy with recombinant human growth hormone *Z Kardiol.* 1997 Oct;86(10):803-11.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=9454447&query_hl=1&itool=pubmed_DocSum
58. 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.* May 1994;15(5):708-709.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=8056015
59. Reynen K, Wittekind C, Rein J, Friedrich M, Bachmann K. [Rhabdomyolipoma of the right ventricle]. *Dtsch Med Wochenschr.* 1992;117(38):1439-1444.
60. Pongratz G, Friedrich M, Unverdorben M, Kunkel B, Bachmann K. Hypertrophic obstructive cardiomyopathy as a manifestation of a cardiocutaneous syndrome (Noonan syndrome). *Klin Wochenschr.* Dec 11 1991;69(20):932-936.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=1795500
61. 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.* Apr 1991;80(4):266-271.
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=1862667
62. Weikl A, Friedrich M, Bachmann K, Sauter R, Reinhardt ER. Localized 31P-spectroscopy of the human heart. *Radiol Med (Torino).* 1990;80(1-2):168-171.