

QMass MR[®] References

- 1. Roos A de, Helbing WA, Niezen RA, Rebergen SA, Wall EE van der, Ottenkamp J.**
Magnetic resonance imaging in adult congenital heart disease.
In: Current and future applications of magnetic resonance in cardiovascular disease.
Higgins CB, Inwall JS, Pohost GM, editors. Armonk, NY: Futura Publishing Company, Inc, 1988: 163-72.
- 2. Geest RJ van der, Jansen E, Buller VGM, Reiber JHC.**
Automated detection of left ventricular epi- and endocardial contours in short-axis MR images. *Comp Cardiol 1994; 33-6.*
- 3. Lamb HJ, Singleton RR, Geest RJ van der, Pohost GM, Roos A de.**
MR imaging of regional cardiac function: Low-pass filtering of wall thickness curves.
Magn Reson in Med 1995; 34: 498-502.
- 4. Buller VGM, Geest RJ van der, Kool MD, Reiber JHC.**
Accurate three-dimensional wall thickness measurement from multi-slice short-axis MR imaging.
Comp Cardiol 1995: 245-8.
- 5. Dendale PAC, Franken PR, Waldman GJ, Baur LHB, Vandamme S, Geest RJ van der, Roos A de.**
Regional diastolic wall motion dynamics in anterior infarction: analysis and quantification with magnetic resonance imaging.
Coronary Artery Disease 1995; 6: 723-9.
- 6. Helbing WA, Bosch JG, Maliepaard C, Rebergen SA, Geest RJ van der, Hansen B, Ottenkamp J, Reiber JHC, Roos A de.**
Comparison of echocardiographic methods with magnetic resonance imaging for assessment of right ventricular function in children.
Am J Cardiol 1995; 76: 589-94.
- 7. Helbing WA, Rebergen SA, Maliepaard C, Hansen B, Ottenkamp J, Reiber JHC, Roos A de.**
Quantification of right ventricular function with magnetic resonance imaging in children with normal hearts with congenital heart disease.
Am Heart J 1995; 130: 828-37.

- 8. Holman ER, Vliegen HW, Geest RJ van der, Reiber JHC, Dijkman PRM van, Laarse A van der, Roos A de, Wall EE van der.**
Quantitative analysis of regional left ventricular function after myocardial infarction in the pig assessed with cine magnetic resonance imaging.
Magn Reson in Med 1995; 34: 161-9.
- 9. Matheijssen NAA, Baur LHB, Reiber JHC, Velde EA van der, Dijkman PRM van, Geest RJ van der, Roos A de.**
Assessment of left ventricular volume and mass by cine-magnetic resonance imaging in patients with anterior myocardial infarction intra-observer and inter-observer variability on contour detection.
Int J Cardiac Imaging 1996; 12: 11-9.
- 10. Baur LHB, Schipperheyn JJ, Velde EA van der, Wall EE van der, Reiber JHC, Geest RJ van der, Dijkman PRM van, Gerritsen JG, Eck-Smit BLF van, Voogd PJ, Brusckhe AVG.**
Reproducibility of left ventricular size, shape and mass with echocardiography, magnetic resonance imaging and radionuclide angiography with anterior wall infarction. A plea for core laboratories.
Int J Cardiac Imaging 1996; 12: 233-40.
- 11. Niezen RA, Helbing WA, Geest RJ van der, Rebergen SA, Roos A de.**
Biventricular systolic function and mass studied with MR imaging in children with pulmonary regurgitation after repair for Tetralogy of Fallot.
Radiology 1996; 201: 135-40.
- 12. Buller VGM, Geest RJ van der, Kool MD, Wall EE van der, Roos A de, Reiber JHC.**
Assessment of regional left ventricular wall parameters from short-axis MR imaging using a 3D extension to the improved centerline method.
Invest Radiol 1997; 32 (9): 529-39.
- 13. Dendale P, Franken PR, Meusel M, Geest RJ van der, Roos A de.**
Distinction between open and occluded infarct-related arteries using contrast-enhanced magnetic resonance imaging.
Am J Cardiol 1997; 80 (3): 334-5.
- 14. Holman ER, Buller VGM, Roos A de, Geest RJ van der, Baur LHB, Laarse A van der, Brusckhe AVG, Reiber JHC, Wall EE van der.**
Detection and quantification of dysfunctional myocardium by magnetic resonance imaging: A new three-dimensional method for quantitative wall-thickening analysis.
Circulation 1997; 95: 924-31.

- 15. Johnson DB, Foster RE, Barilla F, Blackwell GG, Roney M, Stanley AWH, Kirk K, Orr RA, Geest RJ van der, Reiber JHC, Dell'Italia LJ.**
Angiotensin-converting enzyme Inhibitor therapy affects left ventricular mass in patients with ejection fraction >40% after acute myocardial infarction.
J Am Coll Cardiol 1997; 29 (1): 49-54.
- 16. Reiber JHC, Goedhart B, Bosch JG, Geest RJ van der, Dijkstra J, Koning G, Rezaee MR, Lelieveldt BPF, Roos A de, Wall EE van der, Brusckhe AVG.**
Quantitative cardiovascular image analysis: Current status and what are realistic expectations for the future?
VASCULAR-MEDICINE, 1997.
- 17. Geest RJ van der, Roos A de, Wall EE van der, Reiber JHC.**
Quantitative analysis of cardiovascular MR images.
Int J Cardiac Imaging 1997; 13: 247-58.
- 18. Geest RJ van der, Buller VGM, Jansen E, Lamb HJ, Baur LHB, Wall EE van der, Roos A de, Reiber JHC.**
Comparison between manual and automated analysis of left ventricular volume parameters from short axis MR images.
J Comp Assist Tomogr 1997; 21 (5): 756-65.
- 19. Kayser HWM, Schaliy MJ, Wall EE van der, Stoel BC, Roos A de.**
Biventricular function in patients with nonischemic right ventricular tachyarrhythmias assessed with MR imaging.
AJR 1997; 169 (4): 995-9.
- 20. Kroft LJM, Doornbos J, Geest RJ van der, Laarse A van der, Meulen H van der, Roos A de.**
Ultrasmlal superparamagnetic particles of iron oxide (USPIO) MR imaging of infarcted myocardium in pigs.
MRI 1998; 16 (7): 755-63.
- 21. Jerzewski A, Pattynama PMT, Steendijk P, Leeuwenburg BPK, Roos A de, Baan J.**
Differential response of the right and left ventricle to β -adrenergic stimulation: An echo planar MR study in intact animals.
J Comp Assist Tomogr 1998; 22 (4): 569-76.
- 22. Marcus JT, Götte MJW, Waal LK de, Stam MR, Geest RJ van der, Heethaar RM, Rossum AC van.**
The influence of through-plane motion on left ventricular volumes measured by magnetic resonance imaging: implications for image acquisition and analysis.
J Cardiovasc Magn Reson 1998; 1 (1): 1-6.

- 23. Postema S, Pattynama PMT, Broker, Geest RJ van der, Rijswijk CSP van, Trimbos JB.**
Fast dynamic contrast-enhanced colour-coded MRI in uterine cervix carcinoma: Useful for tumour staging?
Clinical Radiology 1998; 53 (10): 729-34.
- 24. Niezen RA, Doornbos J, Wall EE van der, Roos A de.**
Measurement of aortic and pulmonary flow with MRI at rest and during physical exercise.
J Comp Assist Tomogr 1998; 22 (2): 194-201.
- 25. Kroft LJM, Doornbos J, Geest RJ van der.**
Blood pool contrast agent CMD-A2-Gd-DOTA-Enhanced MR imaging of infarcted myocardium in pigs.
J Magn Reson Imaging 1999; 10: 170-7.
- 26. Kroft LJM, Doornbos J, Geest RJ van der, Benderbous S, Roos A de.**
Infarcted myocardium in pigs: MR imaging enhanced with slow-interstitial-diffusion gadolinium compound P760.
Radiology 1999; 212: 467-73.
- 27. Kroft LJM, Doornbos J, Benderbous S, Roos A de.**
Equilibrium phase MR angiography of the aortic arch and abdominal vasculature with the blood pool contrast agent CMD-A2-Gd-DOTA in pigs.
J Magn Reson Imaging 1999; 9 (6): 777-85.
- 28. Marcus JT, Waal LK de, Götte MJW, Geest RJ van der, Heethaar RM, Rossum AC van.**
MRI-derived left ventricular function parameters and mass in healthy young adults: Relation with gender and age.
Int J Cardiac Imaging 1999; 15: 411-9.
- 29. Geest RJ van der, Reiber JHC.**
Quantification in cardiac MRI.
J Magn Reson Imaging 1999; 10: 602-8.
- 30. Marcus JT, DeWaal LK, Götte MJW, Geest RJ van der, Heethaar RM, Rossum AC van.**
MRI-derived left ventricular function parameters and mass in healthy young adults: Relation with gender and body size.
Int J Cardiac Imaging 1999; 15: 411-9.
- 31. Kroft LJM, Simons P, Laar JM van, Roos A de.**
Cardiac function in patients with pulmonary fibrosis assessed with magnetic resonance imaging.
Radiology 2000; 216 (2): 464-71.

- 32. Bavelaar-Croon CDL, Kayser HWM, Wall EE van der, Roos A de, Dibbets-Schneider P, Pauwels EKJ, Germano G, Atsma DE.**
Left ventricular function: correlation of quantitative gated SPECT and MR Imaging over a wide range of values.
Radiology 2000; 217: 572-5.
- 33. Kayser HW, Geest RJ van der, Wall EE van der, Duchateau C, de Roos A.**
Right ventricular function in patients after acute myocardial infarction assessed with phase contrast MR velocity mapping encoded in three directions.
J Magn Reson Imaging 2000; 11 :471-75.
- 34. Götte MJW, Rossum AC van, Twisk JWR, Kuijer JPA, Marcus JT, Visser CA.**
Quantification of regional contractile function after infarction: strain analysis superior to wall thickening analysis in discriminating infarct from remote myocardium.
J Am Coll Cardiol 2001; 37 (3): 808-17.
- 35. Oshinski JN, Han HC, Ku DN, Pettigrew RI.**
Quantitative prediction of improvement in cardiac function after revascularization with MR imaging and modeling: initial results.
Radiology 2001; 221: 515-22.
- 36. Plein S, Smith WHT, Ridgway JP, Kassner A, Beacock DJ, Bloomer TN, Sivananthan MU.**
Qualitative and quantitative analysis of regional left ventricular wall dynamics using real-time Magnetic Resonance Imaging: comparison with conventional breath-hold gradient echo acquisition in volunteers and patients.
J Magn Reson Imaging 2001; 14 : 23-30.
- 37. Plein S, Bloomer TN, Ridgway JP, Jones TR, Bainbridge GJ, Sivananthan MU.**
Steady-state free precession Magnetic Resonance Imaging of the heart: comparison with segmented K-space Gradient-Echo imaging.
J Magn Reson Imaging 2001; 14 : 230-6.
- 38. Williams SP, Gerber HP, Giordano FJ, Peale Jr. FV, Bernstein LJ, Bunting S, Chien KR, Ferrara N, Bruggen N van.**
Dobutamine stress cine-MRI of cardiac function in the hearts of adult cardiomyocyte-specific VEGF knockout mice.
J Magn Reson Imaging 2001; 14 : 374-82.
- 39. Bloomer TN, Plein S, Radjenovic A, Higgings DM, Jones TR, Ridgway JP, Sivananthan MU.**
Cine MRI using steady state free precession in the radial long axis orientation is a fast accurate method for obtaining volumetric data of the left ventricle.
J Magn Reson Imaging 2001; 14 : 685-92.

- 40. Klein C, Nekolla SG, Bengel FM, Momose M, Sammer A, Haas F, Schnackenburg B, Delius W, Mudra H, Wolfram D, Schwaiger M.**
Assessment of myocardial viability with contrast-enhanced Magnetic Resonance Imaging; comparison with positron emission tomography.
Circulation 2002; 105: 162-7.
- 41. Roest AAW, Helbing WA, Kunz P, Aardweg JG van den, Lamb HJ, Vliegen HW, Wall EE van der, Roos A de.**
Exercise MR Imaging in the assessment of pulmonary regurgitation and biventricular function in patients after tetralogy of Fallot repair.
Radiology 2002; 223: 204-11.
- 42. Kuijjer JPA, Marcus JT, Götte MJW, Rossum AC van, Heethaar RM.**
Three-dimensional myocardial strains at end-systole and during diastole in the left ventricle of normal humans.
J Cardiovasc Magn Reson 2002; 4(3): 341-51.
- 43. Lamb HJ, Beyerbacht HP, Roos A de, Laarse A van der, Vliegen HW, Leujes F, Bax JJ, Wall EE van der.**
Left ventricular remodeling early after aortic valve replacement: differential effects on diastolic function in aortic valve stenosis and aortic regurgitation.
J Am Coll Cardiol 2002; 40(12): 2182-8.
- 44. Diamant M, Lamb HJ, Groeneveld Y, Endert EL, Smit JWA, Bax JJ, Romijn JA, Roos A de, Radder JK.**
Diastolic dysfunction is associated with altered myocardial metabolism in asymptomatic normotensive patients with well-controlled type 2 diabetes mellitus.
J Am Coll Cardiol 2003; 42(2): 328-35.
- 45. Alfakih K, Plein S, Bloomer T, Jones T, Ridgway J, Sivananthan M**
Comparison of right ventricular volume measurements between axial and short axis orientation using steady-state free precession magnetic resonance imaging
JMRI 2003; 18: 25-32
- 46. Nagel E, Klein C, Paetsch I, Hettwer S, Schnackenburg B, Wegscheider K, Fleck E.**
Magnetic resonance perfusion measurements for the noninvasive detection of coronary artery disease.
Circulation 2003; 108: 432-7.
- 47. Beek AM, Kühl HP, Bondarenko O, Twisk JWR, Hofman MBM, Dockum WG van, Visser CA, Rossum AC van.**
Delayed contrast-enhanced magnetic resonance imaging for the prediction of regional functional improvement after acute myocardial infarction.
J Am Coll Cardiol 2003; 42(5): 895-901.

- 48. Swingen C, Seethamraju T. & Jerosch-Herold M.**
An approach to the three-dimensional display of left ventricular function and viability using MRI.
Int J Cardiac Imaging 2003; 19: 325-36.
- 49. Eicken A, Fratz S, Gutfried C, Balling G, Schwaiger M, Lange R, Busch R, Hess J, Stern H.**
Hearts late after Fontan operation have normal mass, normal volume, and reduced systolic function.
J Am Coll Cardiol 2003; 42(6): 1061-5.
- 50. Dockum WG van, Cate FJ ten, Berg JM ten, Beek AM, Twisk JWR, Vos J, Hofman MBM, Visser CA, Rossum AC van.**
Myocardial infarction after percutaneous transluminal septal myocardial ablation in hypertrophic obstructive cardiomyopathy: evaluation by contrast-enhanced magnetic resonance imaging.
J Am Coll Cardiol 2004; 43(1): 27-34.
- 51. Geva T, Sandweiss BM, Gauvreau K, Lock JE, Powell AJ.**
Factors associated with impaired clinical status in long-term survivors of Tetralogy of Fallot repair evaluated by magnetic resonance imaging.
J Am Coll Cardiol 2004; 43(6): 1068-74.
- 52. Jerosch-Herold M, Hu X, Murthy NS, Seethamraju RT.**
Time delay for arrival of MR contrast agent in collateral-dependent myocardium.
IEEE Transactions on medical imaging 2004; 23 (7): 881-91.
- 53. Lee A, Lin AP, Enriquez CM, England B, Colletti P, Roth F, Rashtian M, Myers M, Ross B.**
Efficacy of MR Indicators for cardiac resynchronization therapy (CRT).
Proc Intl Soc Mag Reson Med 2004; 11: 1815 (Abstract).
- 54. Uemura S, Sakuma H, Motoyasu M, Ichikawa Y, Kitagawa K, Tamada H, Okinaka T, Isaka N, Takeda K, Nakano T.**
Thallium-201 SPECT and low-dose dobutamine stress cine MRI for predicting functional recovery of regional myocardial contraction in patients with myocardial infarction.
J Cardiovasc Magn Reson 2004; 6 (3): 697-707.
- 55. Schuijf JD, Kaandorp TAM, Lamb HJ, Geest RJ van der, Viergever EP, Wall EE van der.**
Quantification of myocardial infarct size and transmuralty by contrast-enhanced magnetic resonance imaging in men.
Am J Cardiol 2004; 94: 284-8.
- 56. Tayler 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 2004; 109: 2080-5.

57. **Janssen CHC, Kuijpers D, Oudkerk M.**
MR perfusion imaging for the detection of myocardial ischemia.
Imaging Decisions 2004; 8 (2): 13-7.
58. **Ligabue G.**
Different post-processing protocols in routine cardiac multislice CT examination.
Imaging Decisions 2004; 8 (2): 18-24.
59. **Lelieveldt BPF, Geest RJ van der, Reiber JHC.**
Towards 'One-Stop' Cardiac MR Image Analysis.
Imaging Decisions 2004; 8 (2): 2-12.
60. **Wahl A, Paetsch I, Roethemeyer S, Klein C, Fleck E, Nagel E.**
High-dose dobutamine-atropine stress cardiovascular MR Imaging after coronary revascularization in patients with wall motion abnormalities at rest.
Radiology 2004; 233 (1): 210-6.
61. **Wollert KC, Lotz J, Ringes-Lichtenberg S, Lippolt P, Breidenbach C, Fichtner S, Korte T, Hornig B, Messinger D, Arseniev L, Hertenstein B, Ganser A, Drexler H.**
Itracoronary autologous bone-marrow cell transfer after myocardial infarction: the BOOST randomised controlled clinical trial.
Lancet 2004; 364: 141-1248
62. **Swingen C, Wang X, Jerosch-Herold M.**
Evaluation of myocardial volume heterogeneity during end-diastole and end-systole using cine MRI.
J Cardiovasc Magn Reson 2004; 6 (4): 829-35.
63. **Papavassilliu T, Kühl HP, Dockum W van, Hofman MBM, Bondarenko O, Beek AM, Rossum AC van.**
Accuracy of one- end two-dimensional algorithms with optimal image plane position for the estimation of left ventricular mass: a comparative study using magnetic resonance imaging.
J Cardiovasc Magn Reson 2004; 6 (4): 845-54.
64. **Jerosch-Herold M.**
Perfusion reserve in asymptomatic individuals.
Int J Cardiovasc Imaging 2004; 20: 579-86.
65. **Silva JC, Rochitte CE, Junior JS, Tsutsui J, Andrade J, Martinez EE, Moffa PJ, Menegheti JC, Kalil-Filho R, Ramires JF, Nicolau JC.**
Late coronary artery recanalization effects on left ventricular remodelling and contractility by magnetic resonance imaging.

Eur Heart J 2005; 26: 36-43.

- 66. Angelié E, Koning PJH de, Danilouchkine MG, Assen HC van, Koning G, Geest RJ van der, Reiber JHC.**
Optimizing the automatic segmentation of the left ventricle in magnetic resonance images.
Med Phys 2005; 32 (2): 369-75.
- 67. Ripoli A, Pingitore A, Favilli B, Bottoni A, Turchi S, Osman NF, De Marchi D, Lombardi M, L'Abatte A, Iervasi G.**
Evidence from a magnetic resonance imaging study.
JACC 2005; 45(3): 439-45.
- 68. Roeleveldt RJ, Marcus JT, Faes TJC, Gan T-J, Boonstra A, Postmus PE, Vonk-Noordegraaf A.**
Interventricular septal configuration at MR Imaging and pulmonary arterial pressure in pulmonary hypertension.
Radiology 2005; 234: 710-7.
- 69. Ichikawa Y, Sakuma H, Suzawa N, Kitagawa K, Makino K, Hirano T, Takeda K.**
Late gadolinium-enhanced magnetic resonance imaging in acute and chronic myocardial infarction.
Improved prediction of regional myocardial contraction in the chronic state by measuring thickness of nonenhanced myocardium.
JACC 2005; 45 (6): 901-9.
- 70. Hombach V, Grebe O, Merkle N, Waldenmaier S, Höher M, Kochs M, Wöhrle J, Kestler HA.**
Sequelae of acute myocardial infarction regarding cardiac structure and function and their prognostic significance as assessed by magnetic resonance imaging.
Eur Heart J 2005; 26: 549-57.
- 71. Hoffmann R, Bardeleben S von, Cate F ten, Borges AC, Kasprzak J, Firschke C, Lafitte S, Al-Saadi N, Kuntz-Hehner S, Engelhardt M, Becher H, Vanoverschelde JL.**
Assessment of systolic left ventricular function: a multi-centre comparison of cineventriculography, cardiac magnetic resonance imaging, unenhanced and contrast-enhanced echocardiography.
Eur Heart J 2005; 26: 607-16.
- 72. Paelinck BP, Roos A de, Bax JJ, Bosmans JM, Geest RJ van der, Dhondt D, Parizel PM, Vrints CJ, Lamb HJ.**
Feasibility of tissue magnetic resonance imaging. A pilot study in comparison with tissue Doppler imaging and invasive measurement.
JACC 2005; 45(7): 1109-16.
- 73. Smedema J-P, Snoep G, Kroonenburgh MPG van, Geuns R-J van, Dassen WRM, Gorgels APM, Crijns HJGM.**

Evaluation of the accuracy of gadolinium-enhanced cardiovascular magnetic resonance in the diagnosis of cardiac sarcoidosis.
JACC 2005; 45(10): 1683-90.

74. **Oosterhof T, Tulevski II, Roest AAW, Steendijk P, Vliegen HW, Wall EE van der, Roos A de, Tijssen JGP, Mulder BJM.**
Disparity between dobutamine stress and physical exercise magnetic resonance imaging in patients with an intra-atrial correction for transposition of the great arteries.
J Cardiovasc Magn Reson 2005; 7 (2): 383-389.
75. **Danilouchkine MG, Westenberg JJM, Roos A de, Reiber JHC, Lelieveldt BPF.**
Operator induced variability in cardiovascular MR: left ventricular measurements and their reproducibility.
J Cardiovasc Magn Reson 2005; 7 (2): 447-57.
76. **Bondarenko O, Beek AM, Hofman MBM, Kühl HP, Twisk JWR, Dockum WG van, Visser CA, Rossum AC van.**
Standardizing the definition of hyperenhancement in the quantitative assessment of infarct size and myocardial viability using delayed contrast-enhanced CMR.
J Cardiovasc Magn Reson 2005; 7(2): 481-485.
77. **Raman SV, NG VY, Neff MA, Sayar S, Sparks EA, Nelson SD, Ferketich AK, Wooley CF.**
Volumetric cine CMR to quantify atrial structure and function in patients with atrial dysrhythmias.
J Cardiovasc Magn Reson 2005; 7 (3): 539-43.
78. **Gebker R, Paetsch I, Neuss M, Schnackenburg B, Bornstedt A, Jahnke C, Goma O, Fleck E, Nagel E.**
Determinants of myocardial response in CMR perfusion imaging using Gd-BOPTA (Multihance).
J Cardiovasc Magn Reson 2005; 7 (3): 565-72.
79. **Corsi C, Lamberti C, Catalano O, Maceneaney P, Bardo D, Lang RM, Caiani EG, Mor-Avi V.**
Improved quantification of left ventricular volumes and mass based on endocardial and epicardial surface detection from cardiac MR images using level set models.
J Cardiovasc Magn Reson 2005; 7 (3): 595-602.
80. **Baks T, Geuns R-J van, Biagini E, Wielopolski P, Mollet NR, Cademartiri F, Boersma E, Giessen WJ van der, Krestin GP, Duncker DJ, Serruys PW, Feyter PJ de.**
Recovery of left ventricular function after primary angioplasty for acute myocardial infarction.
Eur Heart J 2005; 26: 1070-7.

- 81. Rickers C, Wilke NM, Jerosch-Herold M, Casey SA, Panse P, Panse N, Weil J, Zenovich AG, Maron BJ.**
Utility of cardiac magnetic resonance imaging in the diagnosis of hypertrophic cardiomyopathy.
Circulation 2005; 112: 855-61.
- 82. Papavassiliu T, Kühl HP, Schröder M, Süselbeck T, Bondarenko O, Böhm CK, Beek A, Hofman MMB, Rossum AC van.**
Effect of endocardial trabeculae on left ventricular measurements and measurement reproducibility at cardiovascular MR Imaging.
Radiology 2005; 236 (1): 57-64.
- 83. Dool SW van den, Wasser MN, Fijter JW de, Hoekstra J, Geest RJ van der.**
Functional renal volume: quantitative analysis at gadolinium-enhanced MR angiography – feasibility study in healthy potential kidney donors.
Radiology 2005; 236 (1): 189-95.
- 84. Westenberg JJM, Geest RJ van der, Lamb HJ, Versteegh MIM, Braun J, Doornbos J, Roos A de, Wall EE van der, Dion RAE, Reiber JHC, Bax JJ.**
MRI to evaluate left atrial and ventricular reserve remodeling after restrictive mitral annuloplasty in dilated cardiomyopathy.
Circulation 2005; 112 [Suppl I]: I- 437-42.
- 85. Buecker A, Katoh M, Krombach GA, Spuentrup E, Bruners P, Günther RW, Niendorf T, Mahnken AH.**
A feasibility study of contrast enhancement of acute myocardial infarction in multislice computed tomography.
Invest Radiol 2005; 40: 700-4.
- 86. Rochitte CE, Oliveira PF, Andrade JM, Ianni BM, Parga JR, Avila LF, Kalil-Filho R, Mady C, Meneghetti JC, Lima JAC, Ramires JAF.**
Myocardial delayed enhancement by magnetic resonance imaging in patients with Chagas' disease. A marker of disease severity.
JACC 2005; 46(8):1553-8.
- 87. Straten A van, Vliegen HW, Lamb HJ, Roes SD, Wall EE van der, Hazekamp MG, Roos A de.**
Time course of diastolic and systolic function improvement after pulmonary valve replacement in adult patients with tetralogy of fallot.
JACC 2005; 46(8):1559-64.
- 88. Strugnell WE, Slaughter RE, Riley RA, Trotter AJ, Bartlett H.**
Modified RV short axis series – a new method for cardiac MRI measurement of right ventricular volumes.
J Cardiovasc Magn Reson 2005; 7: 769-74.

- 89. Ripa RS, Wang Y, Jørgensen E, Johnsen HE, Grande P, Kastrup J.**
Safety of bone marrow stem cell mobilization induced by granulocyte-colony stimulating factor: 30 days' blinded clinical results from the stem cells in myocardial infarction (STEMMI) trial.
Heart Drug 2005; 5: 177-82.
- 90. Buechel ERV, Dave HH, Kellenberger CJ, Dodge-Khatami A, Pretre R, Berger F, Bauersfeld U.**
Remodelling of the right ventricle after early pulmonary valve replacement in children with repaired tetralogy of Fallot: assessment by cardiovascular magnetic resonance.
Eur Heart J 2005; 26: 2721-7.
- 91. Tops LF, Roest AAW, Lamb HJ, Vliegen HW, Helbing WA, Wall EE van der, Roos A de.**
Intraatrial repair of transposition of the great arteries: use of MR imaging after exercise to evaluate regional systemic right ventricular function.
Radiology 2005; 237 (3): 861-7.
- 92. Oosterhof T, Mulder BJM, Vliegen HW, Roos A de.**
Corrected Tetralogy of Fallot: delayed enhancement in right ventricular outflow tract.
Radiology 2005; 237 (3): 868-71.
- 93. Baks T, Geuns R-J van, Biagini E, Wielopolski P, Mollet NR, Cademartiri F, Giessen WJ van der, Krestin GP, Serruys PW, Duncker DJ, Feyter PJ de.**
Effects of primary angioplasty for acute myocardial infarction on early and late infarct size and left ventricular wall characteristics.
JACC 2006; 47 (1): 40-4.
- 94. Wang L, Jerosch-Herold M, Jacobs DR, Shahar E, Folsom AR.**
Coronary risk factors and myocardial perfusion in asymptomatic adults.
JACC 2006; 47 (3): 565-72.
- 95. Mahnken AH, Koos R, Katoh M, Wildberger JE, Spuentrup E, Buecker A, Günther RW, Kühl HP.**
Assessment of myocardial viability in reperfused acute myocardial infarction using 16-slice computed tomography in comparison to magnetic resonance imaging.
JACC 2005; 45 (12): 2042-7.
- 96. Slart RHJA, Bax JJ, Veldhuisen DJ van, Wall EE van der, Dierckx RA, Boer J de, Jager PL.**
Prediction of functional recovery after revascularization in patients with coronary artery disease and left ventricular dysfunction by gated FDG-PET.
J Nucl Cardiol 2006; 13: 210-9.
- 97. Avila LFR de, Fernandes JL, Rochitte CE, Cerri GG, Filho JP.**
Perfusion impairment in patients with normal-appearing coronary arteries: Identification with

contrast-enhanced MR Imaging.
Radiology 2006; 238 (2): 464-72.

- 98. Kühl HP, Lipke CSA, Krombach GA, Katoh M, Battenberg TF, Nowak B, Heussen N, Beucker A, Schaefer WM.**
Assessment of reversible myocardial dysfunction in chronic ischaemic heart disease: comparison of contrast-enhanced cardiovascular magnetic resonance and a combined positron emission tomography – single photon emission computed tomography imaging protocol.
Eur Heart J 2006; 27: 846-53.
- 99. Westenberg JJM, Lamb HJ, Geest RJ van der, Bleeker GB, Holman ER, Schalij MJ, Roos A de, Wall EE van der, Reiber JHC, Bax JJ.**
Assessment of left ventricular dyssynchrony in patients with conduction delay and idiopathic dilated cardiomyopathy.
Head-to-head comparison between tissue Doppler imaging and velocity-encoded magnetic resonance imaging.
JACC 2006; 47(10): 2042-8.
- 100. Fernandes VRS, Polak JF, Edvardsen T, Carvalho B, Gomes A, Bluemke DA, Nasir Khurram, O’Leary DH, Lima JAC.**
Subclinical atherosclerosis and incipient regional myocardial dysfunction in asymptomatic individuals.
The Multi-Ethnic Study of Atherosclerosis (MESA).
JACC 2006; 47(12): 2420-8.
- 101. Kaandorp TAM, Lamb HJ, Bax JJ, Boersma E, Viergever EP, Wall EE van der, Roos A de.**
Prediction of beneficial effect of β blocker treatment in severe ischaemic cardiomyopathy: assessment of global left ventricular ejection fraction using dobutamine stress cardiovascular magnetic resonance.
Heart 2005; 91: 1471-2.
- 102. Beeres SLMA, Bax JJ, Kaandorp TAM, Zeppenfeld K, Lamb HJ, Dibbets-Schneider P, Stokkel MPM, Fibbe WE, Roos A de, Wall EE van der, Schalij MJ, Atsma DE.**
Usefulness of intramyocardial injection of autologous bone marrow-derived mononuclear cells in patients with severe angina pectoris and stress-induced myocardial ischemia.
Am J Cardiol 2006; 97: 1326-31.
- 103. Tandri H, Castillo E, Ferrari VA, Nasir K, Dalal D, Bomma C, Calkins H, Bluemke DA.**
Magnetic resonance imaging of arrhythmogenic right ventricular dysplasia.
Sensitivity, specificity, and observer variability of fat detection versus functional analysis of the right ventricle.
JACC 2006; 48(11): 2277-84

- 104. Heckbert SR, Post W, Pearson GDN, Arnett DK, Gomes AS, Jerosch-Herold M, Hundley WG, Lima JA, Bleumke DA.**
Traditional cardiovascular risk factors in relation to left ventricular mass, volume, and systolic function by cardiac magnetic resonance imaging. The multiethnic study of atherosclerosis.
JACC 2006; 48: 2285-92.
- 105. Tsukiji M, Nguyen P, Narayan G, Hellinger J, Chan F, Herfkens R, Pauly JM, McConnell MV, Yang PC.**
Peri-Infarct ischemia determined by cardiovascular magnetic resonance evaluation of myocardial viability and stress perfusion predicts future cardiovascular events in patients with severe ischemic cardiomyopathy.
J Cardiovasc Magn Reson 2006; 8: 773-9.
- 106. Kumar A, Abdel-Aty H, Kriedemann I, Schulz-Menger J, Gross M, Dietz R, Friedrich MG.**
Contrast-enhanced cardiovascular magnetic resonance imaging of right ventricular infarction.
JACC 2006; 48(11): 1969-76.
- 107. Wang L, Jerosch-Herold M, Jacobs DR, Shahar E, Detrano R, Folsom AR, for the MESA Study Investigators.**
Coronary artery calcification and myocardial perfusion in asymptomatic adults. The MESA (Multi-Ethnic Study of Atherosclerosis).
JACC 2006; 48: 1018-26.
- 108. Meyer GP, Wollert KC, Lotz J, Steffens J, Lippolt P, Fichtner S, Hecker H, Schaefer A, Arseniev L, Hertenstein B, Ganser A, Drexler H**
Intracoronary bone marrow cell transfer after myocardial infarction: eighteen months' follow-up data from the randomized, controlled BOOST (Bone marrow transfer to enhance ST-elevation infarct regeneration) Trial.
Circulation 2006; 113: 1287-1294
- 109. Grotenhuis HB, Westenberg JJM, Doornbos J, Kroft LJM, Schoof PH, Hazekamp MG, Vliegen HW, Ottenkamp J, Roos A de.**
Aortic root dysfunctioning and its effect on left ventricular function in Ross procedure patients assessed with magnetic resonance imaging.
Am Heart J 2006; 152: 975.e1-e8.
- 110. Reesink HJ, Marcus JT, Tulevski II, Jamieson S, Kloek JJ, Noordegraaf AV, Bresser P.**
Reverse right ventricular remodeling after pulmonary endarterectomy in patients with chronic thromboembolic pulmonary hypertension: utility of magnetic resonance imaging to demonstrate restoration of the right ventricle.
J Thoracic Cardiovasc Sur 2007: 133:58-64.

- 111. Üzümcü M, Geest RJ van der, Sonka M, Lamb HJ, Reiber JHC, Lelieveldt BPF.**
Multiview active appearance models for simultaneous segmentation of cardiac 2- and 4 chamber long-axis magnetic resonance images.
Invest Radiol 2005; 40: 195-203.
- 112. Kaandorp TAM, Lamb HJ, Poldermans D, Viergever EP, Boersma E, Wall EE van der, Roos A de, Bax JJ.**
Assessment of right ventricular infarction with contrast-enhanced magnetic resonance imaging.
Coronary artery disease 2007; 18: 39-43.
- 113. Cannesson M, Tanabe M, Suffoletto MS, McNamara DM, Madan S, Lacomis JM, Corcsan III J.**
A novel two-dimensional echocardiographic image analysis system using artificial intelligence-learned pattern recognition for rapid automated ejection fraction.
JACC 2007; 49 (2), 217-26.
- 114. Valeti US, Nishimura RA, Holmes DR, Araoz PA, Glockner JF, Breen JF, Ommen SR, Gersh BJ, Tajik AJ, Rihal CS, Schaff HV, Maron BJ.**
Comparison of surgical septal myectomy and alcohol septal ablation with cardiac magnetic resonance imaging in patients with hypertrophic obstructive cardiomyopathy.
JACC 2007; 49 (3), 350-7.
- 115. Panse P, Klassen C, Panse N, Siuciak A, Rickers C, Jerosch-Herold M, Wilke NM.**
Magnetic resonance quantitative myocardial perfusion reserve demonstrates improved myocardial blood flow after angiogenic implant therapy.
Int J Cardiovasc Imaging 2007; 23:217-224.
- 116. Grotenhuis HB, Ottenkamp J, Westenberg JJM, Bax JJ, Kroft LJM, Roos A de.**
Reduced aortic elasticity and dilatation are associated with aortic regurgitation and left ventricular hypertrophy in nonstenotic bicuspid aortic valve patients.
JACC 2007;49 (15), 1660-5.
- 117. Vermeltfoort IAC, Bondarenko O, Raijmakers PGHM, Odekerken DAM, Kuijper AFM, Zwijnenburg A, Vis-Melsen MJE van der, Twisk JWR, Beek AM, Teule GJJ, Rossum AC van.**
Is subendocardial ischaemia present in patients with chest pain and normal coronary angiograms? A cardiovascular MR study.
J Cardiovasc Magn Reson 2007; 9: 607-614.
- 118. Grothues F, Boenigk H, Schwerdtfeger A, Bartels D, Alpers S, Tempelmann C, Klein HU.**
Comparison of SSFP and IR GRE techniques for measurement of total myocardial Mass-influence of applied contrast dosage and implication for relative infarct size assessment.
Eur Heart J 2007; 28: 1554-1558.

- 119. Chalil S, Stegemann B, Muhyaldeen S, Khadjooi K, Smith REA, Jordan PJ, Leyva F.**
Intraventricular dyssynchrony predicts mortality and morbidity after cardiac resynchronization therapy.
JACC 2007;50 (3), 243-52.
- 120. Schuijf JD, Kaandorp TAM, Lamb HJ, Geest RJ van der, Viergever EP, Wall EE van der, Roos A de, Bax JJ.**
Quantification of myocardial infarct size and transmural by contrast-enhanced magnetic resonance imaging in men.
Am J Cardiol 2004: 94, 284-288.
- 121. Chueng N, Bluemke DA, Klein R, Sharrett AR, Islam FMA, Cotch MF, Klein BEK, Criqui MH, Wong TY.**
Retinal arteriolar narrowing and left ventricular remodeling. The multi-ethnic study of atherosclerosis.
JACC 2007: 50 (1), 48-55.
- 122. Costa MA, Shoemaker S, Futamatsu H, Klassen C, Angiolillo DJ, Nguyen M, Siuciak A, Gilmore P, Zenni MM, Guzman L, Bass TA, Wilke N.**
Quantitative magnetic resonance perfusion imaging detects anatomic and physiologic coronary artery disease as measured by coronary angiography and fractional flow reserve.
JACC 2007: 50 (6), 514-522.
- 123. Messroghli DR, Walters K, Plein S, Sparrow P, Friedrich MG, Ridgway JP, Sivananthan MU.**
Myocardial T1 mapping: application to patients with acute and chronic myocardial infarction.
Magnetic Res Med 2007: 58, 34-40.
- 124. Meer RW van der, Diamant M, Westenberg JJM, Doornbos J, Bax JJ, Roos A de, Lamb HJ.**
Magnetic resonance assessment of aortic pulse wave velocity, aortic distensibility, and cardiac function in uncomplicated type 2 diabetes mellitus.
J Cardiovasc Magn Reson 2007; 9: 645-651.
- 125. Angelié E, Oost ER, Hendriksen D, Lelieveldt BPF, Geest RJ van der, Reiber JHC.**
Automated contour detection in cardiac MRI using active appearance models. The effect of the composition of the training set.
Invest Radiology 2007; 42: 697-703.
- 126. Kachenoura N, Redheuil A, Balvay D, Ruiz-Dominguez C, Herment A, Mousseaux E, Frouin F.**
Evaluation of regional myocardial function using automated wall motion analysis of cine MR images: contribution of parametric images, contraction times, and radial velocities.
J. Magn. Reson. Imaging 2007;26:1127-1132.
- 127. Land V van der, Germans T, Dijk J van, Zwanenburg JJM, Spreuwenberg M, Marcus**

- JT, Kamp O, Götte MJW, Rossum AC van.**
The effect of left bundle branch block on left ventricular remodeling, dyssynchrony and deformation of the mitral valve apparatus: an observational cardiovascular magnetic resonance imaging study.
J. Magn. Reson. Imaging 2007;26:1127-1132.
- 128. Rivard AL, Swingen CM, Blake D, Huang AS, Kanth P, Thomsen GF, Cordova EJ, Miller LW, Bianco RW, Wilke N.**
A comparison of myocardial perfusion and rejection in cardiac transplant patients.
Int J Cardiovasc Imaging 2007;23:575-582.
- 129. Paelinck BP, Vrints CJ, Bax JJ, Bosmans JM, Roos A de, Lamb HJ.**
Tissue cardiovascular magnetic resonance demonstrates regional diastolic dysfunction in remote tissue early after inferior myocardial infarction.
J Cardiovasc Magn Reson 2007;9:877-882.
- 130. Fernandes VRS, Edvardsen T, Rosen BD, Carvalho B, Campos O, Cordeiro MAS, Kronmal R, Bluemke DA, Lima JAC.**
The influence of left ventricular size and global function on regional myocardial contraction and relaxation in an adult population free of cardiovascular disease: a tagged CMR study of the MESA cohort.
J Cardiovasc Magn Reson 2007;9:921-930.
- 131. Grotenhuis HB, Kroft LJM, Elderen SGC van, Westenberg JJM, Doornbos J, Hazekamp MG, Vliegen HW, Ottenkamp J, Roos A de.**
Right ventricular hypertrophy and diastolic dysfunction in arterial switch patients without pulmonary artery stenosis.
Heart 2007;93:1604-1608.
- 132. Drake D, Gupta R, Lloyd SG, Gupta H.**
Right ventricular function assessment: comparison of geometric and visual method to short-axis slice summation method.
Echocardiography 2007;24(10):1013-1019.
- 133. Wolferen SA van, Marcus JT, Westerhof N, Spreuwenberg MD, Marques KMJ, Bronzwaer JGF, Henkens IR, Gan CTJ, Boonstra A, Postmus PE, Vonk-Noordegraaf A.**
Right coronary artery flow impairment in patients with pulmonary hypertension.
Eur Heart J 2008;29:120-127.
- 134. Kirschbaum SW, Baks T, Ent M van den, Sianos G, Krestin GP, Serruys PW, Feyter PJ de, Geuns RJM van.**
Evaluation of left ventricular function three years after percutaneous recanalization of chronic total coronary occlusions.
Am J Cardiol 2008;101:179-185.
- 135. Burgstahler C, Kunze M, Gawaz MP, Rasche V, Wöhrle J, Hombach V, Merkle N.**

Adenosine stress first pass perfusion for the detection of coronary artery disease in patients with aortic stenosis: a feasibility study.

Int J Cardiovasc Imaging 2008;24:195-200.

136. Lubbers DD, Willems TP, Vleuten PA van der, Overbosch J, Götte MJW, Veldhuisen DJ van, Oudkerk M.

Assessment of global left ventricular functional parameters: analysis of every second short-axis magnetic resonance imaging slices is as accurate as analysis of consecutive slices.

Int J Cardiovasc Imaging 2008;24:185-191.

137. Grotenhuis HB, Roos A de, Ottenkamp J, Schoof PH, Vliegen HW, Kroft LJM.

MR imaging of right ventricular function after the Ross procedure for aortic valve replacement: initial experience.

Radiology 2008;246(2):394-400.

138. Dockum WG van, Kuijter JPA, Götte MJW, Cate FJ ten, Berg JM ten, Beek AM, Twisk JWR, Marcus JT, Visser CA, Rossum AC van.

Septal ablation in hypertrophic obstructive cardiomyopathy improves systolic myocardial function in the lateral (free) wall: a follow-up study using CMR tissue tagging and 3D strain analysis.

Eur Heart J 2006;27:2833-2839.

139. Dockum WG van, Beek AM, Cate FJ ten, Berg JM ten, Bondarenko O, Götte MJW, Twisk JWR, Hofman MBM, Visser CA, Rossum AC van.

Early onset and progression of left ventricular remodeling after alcohol septal ablation in hypertrophic obstructive cardiomyopathy.

Circulation 2005;111:2503-2508.

140. Durand E, Mousseaux E, Coste P, Pillière R, Dubourg O, Trinquart L, Chatellier, Hagège A, Desnos M, Lafont A.

Non-surgical septal myocardial reduction by coil embolization for hypertrophic obstructive cardiomyopathy: early and 6 months follow-up.

Eur Heart J 2008;29:348-355.

141. Jerosch-Herold M, Vazquez G, Wang L, Jacobs Jr DR, Folsom AR.

Variability of myocardial blood flow measurements by magnetic resonance imaging in the multi-ethnic study of atherosclerosis.

Invest Radiol 2008;43:155-161.

142. Goldfarb JW, Arnold S, Han J.

Recent myocardial infarction: assessment with unenhanced T1-weighted MR imaging.

Radiology 2007;245(1):245-250.

143. Hirsch A, Nijveldt R, Vleuten PA van der, Tio RA, Giessen WJ van der, Marques KMJ, Doevendans PA, Waltenberger J, Berg JM ten, Aengevaeren WRM, Biemond BJ, Tijssen JGP, Rossum AC van, Piek JJ, Zijlstra F.

Intracoronary infusion of autologous mononuclear bone marrow cells in patients with acute myocardial infarction treated with primary PCI: pilot study of the multicenter HEBE Trial. *Cath Cardiovasc Interv* 2008;71:273-281.

- 144. Nieman K, Shapiro MD, Ferencik M, Nomura CH, Abbara S, Hoffmann U, Gold HK, Jang IK, Brady TJ, Cury RC.**

Reperused myocardial infarction: contrast-enhanced 64-section CT in comparison to MR imaging.

Radiology 2008;247:49-56.

- 145. Adabag AS, Maron BJ, Appelbaum E, Harrigan CJ, Buros JL, Gibson CM, Lesser JR, Hanna CA, Udelson JE, Manning WJ, Maron MS.**

Occurrence and frequency of arrhythmias in hypertrophic cardiomyopathy in relation to delayed enhancement on cardiovascular magnetic resonance.

JACC 2008;51(14):1369-74.

- 146. Bahrami H, Bluemke DA, Kronmal R, Bertoni AG, Lloyd-Jones DM, Shahar E, Szklo M, Lima JAC.**

Novel metabolic risk factors for incident heart failure and their relationship with obesity. The MESA (multi-ethnic study of atherosclerosis) study.

JACC 2008;51(18):1775-83.

- 147. Friedrich MG, Abdel-Aty H, Taylor A, Schulz-Menger J, Messroghli D, Dietz R.**

The salvaged area at risk in reperused acute myocardial infarction as visualized by cardiovascular magnetic resonance.

JACC 2008;51(16):1581-7.

- 148. Garg R, Raman SV, Hoffman TM, Hayes J, Daniels CJ.**

Serum markers of systemic right ventricular function and exercise performance.

Pediatr Cardiol 2008;29:641-648.

- 149. Meer RW van der, Hammer S, Smit JWA, Frölich M, Bax JJ, Diamant M, Rijzewijk LJ, Roos A de, Romijn JA, Lamb HJ.**

Short-term caloric restriction induces accumulation of myocardial triglycerides and decreases left ventricular diastolic function in healthy subjects.

Diabetes 2007;56:2849-2853.

- 150. Hammer S, Meer RW van der, Lamb HJ, Schär M, Roos A de, Smit JWA, Romijn JA.**

Progressive caloric restriction induces dose dependent changes in myocardial triglyceride content and diastolic function in healthy men.

J Clin Endocrin Metab 2007;2007-2015.

- 151. Westenberg JJM, Braun J, Veire NR van de, Klautz RJM, Versteegh MIM, Roes SD, Geest RJ van der, Roos A de, Wall EE van der, Reiber JHC, Bax JJ, Dion RAE.**

Magnetic resonance imaging assessment of reverse left ventricular remodeling late after restrictive mitral annuloplasty in early stages of dilated cardiomyopathy.

J Thorac Cardiovasc Surg 2008;135:1247-53.

- 152. Hirsch A, Nijveldt R, Haeck JDE, Beek AM, Koch KT, Henriques JPS, Schaaf RJ van der, Vis MM, Baan J, Winter RJ de, Tijssen JGP, Rossum AC van, Piek JJ.**
Relation between the assessment of microvascular injury by cardiovascular magnetic resonance and coronary doppler flow velocity measurements in patients with acute anterior wall myocardial infarction.
JACC 2008;51(23):2230-8.
- 153. Meer RW van der, Rijzewijk LJ, Diamant M, Hammer S, Schär M, Bax JJ, Smit JWA, Romijn JA, Roos A de, Lamb HJ.**
The ageing male heart: myocardial triglyceride content as independent predictor of diastolic function.
Eur Heart J 2008;29:1516-1522.
- 154. Robbers-Visser D, Harkel DJ ten, Kapusta L, Strengers JL, Dalinghaus M, Meijboom FJ, Pattynama PM, Bogers AJ, Helbing WA.**
Usefulness of cardiac magnetic resonance imaging combined with low-dose dobutamine stress to detect an abnormal ventricular stress response in children and young adults after fontan operation at young age.
Am J Cardiol 2008;101:1657-1662.
- 155. Mooij CF, Wit CJ de, Graham DA, Powell AJ, Geva T.**
Reproducibility of MRI measurements of right ventricular size and function in patients with normal and dilated ventricles.
Journal of Magnetic Resonance Imaging 2008;28:67-73
- 156. Kirschbaum SW, Baks T, Ent M van den, Sianos G, Krestin GP, Serruys PW, Feyter PJ de, Geuns RJM van.**
Evaluation of left ventricular function three years after percutaneous recanalization of chronic total coronary occlusions.
Am J Cardiol 2008;101:179-185
- 157. Knirsch W, Dodge-Khatami A, Kadner A, Kretschmar O, Steiner J, Böttler P, Kececioglu D, Harpes P, Valsangiacomo Buechel ER.**
Assessment of myocardial function in pediatric patients with operated tetralogy of fallot: preliminary results with 2D strain echocardiography.
Pediatr Cardiol 2008;29:718-725.
- 158. Marsan NA, Westenbergh JJM, Tops LF, Ypenburg C, Holman ER, Reiber JHC, Roos A de, Wall EE van der, Schalij MJ, Roelandt JR, Bax JJ.**
Comparison between Tissue Doppler Imaging and velocity-encoded magnetic resonance imaging for measurement of myocardial velocities, assessment of left ventricular dyssynchrony, and estimation of left ventricular filling pressures in patients with ischemic cardiomyopathy.
Am J Cardiol 2008; 102: 1366-1372

- 159. Nijveldt R, Beek AM, Hirsch A, Stoel MG, Hofman MBM, Umans VAWM, Algra PR, Twisk JWR, Rossum AC van.**
Functional recovery after acute myocardial infarction. Comparison between angiography, electrocardiography, and cardiovascular magnetic resonance measures of microvascular injury.
JACC 2008;52:181-9.
- 160. Bohl S, Wassmuth R, Abdel-Aty H, Rudolph A, Messroghli D, Dietz R, Schulz-Menger J.**
Delayed enhancement cardiac magnetic resonance imaging reveals typical patterns of myocardial injury in patients with various forms of non-ischemic heart disease.
Int J Cardiovasc Imaging 2008;24:597-607.
- 161. Codella, NCF, Weinsaft JW, Cham MD, Janik M, Prince MR, Wang Y.**
Left ventricle: automated segmentation by using myocardial perfusion threshold reduction and intravoxel computation at MR imaging.
Radiology 2008;248(3):1004-12.
- 162. Winter EM, Grauss RW, Atsma DE, Hogers B, Poelmann RE, Geest RJ van der, Tschöpe C, Schaliq MJ, Gittenberger-de Groot AC, Steendijk P.**
Left ventricular function in the post-infarct failing mouse heart by magnetic resonance imaging and conductance catheter: a comparative analysis.
Acta Physiol 2008;194:111-122.
- 163. Laake LW van, Passier R, Monshouwer-Kloots J, Nederhoff MG, Ward-van Oostwaard D, Field LJ, Echteld CJ van, Doevendans PA, Mummery CL.**
Monitoring of cell therapy and assessment of cardiac function using magnetic resonance imaging in a mouse model of myocardial infarction.
Nature Protocols 2007;2(10):2551-2567.
- 164. Laake LW van, Passier R, Monshouwer-Kloots J, Verkleij AJ, Lips DJ, Freund C, Ouden C den, Ward-van Oostwaard D, Korving J, Tertoolen LG, Echteld CJ van, Doevendans PA, Mummery CL.**
Human embryonic stem cell-derived cardiomyocytes survive and mature in the mouse heart and transiently improve function after myocardial infarction.
Stem Cell Research 2007;1:9-24.
- 165. Westenberg JJM, Roes SD, Ajmone Marsan N, Binnendijk NMJ, Doornbos J, Bax JJ, Reiber JHC, Roos A de, Geest RJ van der**
Mitral valve and tricuspid valve blood flow: accurate quantification with 3D velocity-encoded MR imaging with retrospective valve tracking.
Radiology 2008; 249: 792-800
- 166. Hammer S, Snel M, Lamb HJ, Jazet IM, Meer RW van der, Pijl H, Meinders EA, Romijn JA, Roos A de, Smit JWA.**

Prolonged caloric restriction in obese patients with type 2 diabetes mellitus decreases myocardial triglyceride content and improves myocardial function.
JACC 2008;52(12):1006-12.

- 167. Mor-Avi V, Jenkins C, Kühl HP, Nesser HJ, Marwick T, Franke A, Ebner C, Freed BH, Steringer-Mascherbauer R, Pollard H, Weinert L, Niel J, Sugeng L, Lang RM.**
Real-time 3-dimensional echocardiographic quantification of left ventricular volumes. Multicenter study for validation with magnetic resonance imaging and investigation of sources of error.
J Am Coll Cardiol 2008;1:413-23.
- 168. Winter MM, Bernink FJP, Groenink M, Bouma BJ, Dijk APJ van, Helbing WA, Tijssen JGP, Mulder BJM.**
Evaluating the systemic right ventricle by CMR: the importance of consistent and reproducible delineation of the cavity.
J Cardiovasc Magn Res 2008;10:40.
- 169. Maron MS, Appelbaum E, Harrigan CJ, Buros J, Gibson CM, Hanna C, Lesser JR, Udelson JE, Manning WJ, Maron WJ.**
Clinical profile and significance of delayed enhancement in hypertrophic cardiomyopathy.
Circ Heart fail 2008;1:184-191
- 170. Nijveldt R, Germans T, McCann GP, Beek AM, Rossum AC van.**
Semi-quantitative assessment of right ventricular function in comparison to a 3D volumetric approach: a cardiovascular magnetic resonance study.
Eur Radiol 2008;18:2399-2405.
- 171. Puchalski MD, Williams RV, Askovich B, Sower CT, Hor KH, Su JT, Pack N, Dibella E, Gottliebson WM.**
Late gadolinium enhancement: precursor to cardiomyopathy in Duchenne muscular dystrophy?
Int J Cardiovasc Imaging 2009;25:57-63.
- 172. Takehara N, Tsutsumi Y, Tateishi K, Ogata T, Tanaka H, Ueyama T, Takahashi T, Takamatsu T, Fukushima M, Komeda M, Yamagishi M, Yaku H, Tabata Y, Matsubara H, Oh H.**
Controlled delivery of basic fibroblast growth factor promotes human cardiosphere-derived cell engraftment to enhance cardiac repair for chronic myocardial infarction.
JACC 2008;52(23):1858-65.
- 173. Grotenhuis HB, Ottenkamp J, Fontein D, Vliegen HW, Westenberg JJM, Kroft LJM, Roos A de.**
Aortic elasticity and left ventricular function after arterial switch operation: MR imaging – initial experience.
Radiol 2008;249(3):801-809.

- 174. Bluemke DA, Kronmal RA, Lima JAC, Liu K, Olson J, Burke GL, Folsom AR.**
The relationship of left ventricular mass and geometry to incident cardiovascular events. The MESA (multi-ethnic study of atherosclerosis) study.
JACC 2008;52:2148-55.
- 175. Hammer S, Meer RW van der, Lamb HJ, Boer HH de, Bax JJ, Roos A de, Romijn JA, Smit JWA.**
Short-term flexibility of myocardial triglycerides and diastolic function in patients with type 2 diabetes mellitus.
Am J Physiol Endocrinol Metab 2008;295:E714-E718.
- 176. Rijzewijk LJ, Meer RW van der, Smit JWA, Diamant M, Bax JJ, Hammer S, Romijn JA, Roos A de, Lamb HJ.**
Myocardial steatosis is an independent predictor of diastolic dysfunction in type 2 diabetes mellitus.
JACC 2008;52:1793-9.
- 177. Rudolph A, Abdel-Aty H, Bohl S, Boyé P, Zagrosek A, Dietz R, Schulz-Menger J.**
Noninvasive detection of fibrosis applying contrast-enhanced cardiac magnetic resonance in different forms of left ventricular hypertrophy. Relation to remodeling.
JACC 2009;53:284-91.
- 178. Nijveldt R, Hofman MBM, Hirsch A, Beek AM, Umans VAWM, Algra PR, Piek JJ, Rossum AC van.**
Assessment of microvascular obstruction and prediction of short-term remodeling after acute myocardial infarction: cardiac MR imaging study.
Radiol 2008;250(2):363-370.
- 179. Neizel M, Katoh M, Schade E, Rassaf T, Krombach GA, Kelm M, Kühl HP.**
Rapid and accurate determination of relative infarct size in humans using contrast-enhanced magnetic resonance imaging.
Clin Res Cardiol 2009;98: 319-324
- 180. Beek AM, Bondarenko O, Afsharzada F, Rossum AC van.**
Quantification of late gadolinium enhanced CMR in viability assessment in chronic ischemic heart disease: a comparison to functional outcome.
J Cardiovasc Magn Res 2009;11:6.
- 181. Rathi VK, Doyle M, Yamrozik J, Williams RB, Caruppannan K, Truman C, Vido D, Biederman RWW.**
Routine evaluation of left ventricular diastolic function by cardiovascular magnetic resonance: A practical approach.
J Cardiovasc Magn Res 2008;10:36.
- 182. Dalal D, Tandri H, Judge DP, Amat N, Macedo R, Jain R, Tichnell C, Daly A, James C, Russel SD, Abraham T, Bluemke DA, Calkins H.**

- Morphologic variants of familial arrhythmogenic right ventricular dysplasia/cardiomyopathy. A genetics-magnetic resonance imaging correlation study.
JACC 2009;53(15):1289-99.
- 183. Hor KN, Wansapura J, Markham LW, Mazur W, Cripe LH, Fleck R, Benson W, Gottliebson WM.**
Circumferential strain analysis identifies strata of cardiomyopathy in duchenne muscular dystrophy. A cardiac magnetic resonance tagging study.
JACC 2009;53(14):1204-10.
- 184. Abdel-Aty H, Cocker M, Meek C, Tyberg JV, Friedrich MG.**
Edema as a very early marker for acute myocardial ischemia. A cardiovascular magnetic resonance study.
JACC 2009;53(14):1194-201.
- 185. Dockum WG van, Knaapen P, Hofman MBM, Kuijter JPA, Cate FJ ten, Berg JM ten, Beek AM, Twisk JWR, Rossum AC van.**
Impact of alcohol septal ablation on left anterior descending coronary artery blood flow in hypertrophic obstructive cardiomyopathy.
Int J Cardiovasc Imaging 2009;25:511-518.
- 186. Busjahn CA, Schulz-Menger J, Abdel-Aty H, Rudolph A, Jordan J, Luft FC, Busjahn A.**
Heritability of left ventricular and papillary muscle heart size: a twin study with cardiac magnetic resonance imaging.
Eur Heart J 2009;30:1643-1647.
- 187. Bodi V, Sanchis J, Nunez J, Mainar L, Lopez-Lereu MP, Monmeneu JV, Rumiz E, Chaustre F, Trapero I, Husser O, Forteza MJ, Chorro FJ, Llacer A.**
Prognostic value of a comprehensive cardiac magnetic resonance assessment soon after a first ST-segment elevation myocardial infarction.
J Am Coll Cardiol Img 2009;2:835-42.
- 188. Groen JM, Vleuten PA van der, Greuter MJW, Zijlstra F, Oudkerk M.**
Comparison of MRI, 64-slice MDCT and DSCT in assessing functional cardiac parameters of a moving heart phantom.
Eur Radiol 2009;19:577-583.
- 189. Thiele H, Neumann-Schriedewind P, Jacobs S, Boudriot E, Walther T, Mohr FW, Schuler G, Falk V.**
Randomized comparison of minimally invasive direct coronary artery bypass surgery versus sirolimus-eluting stenting in isolated proximal left anterior descending coronary artery stenosis.
J Am Coll Cardiol 2009;53:2324-2331.
- 190. Maron MS, Maron BJ, Harrigan C, Buross J, Gibson CM, Olivetto I, Biller L, Lesser JR, Udelson JE, Manning WJ, Appelbaum E.**

Hypertrophic cardiomyopathy phenotype revisited after 50 years with cardiovascular magnetic resonance.

J Am Coll Cardiol 2009;54:220-8.

- 191. Margossian R, Schwartz ML, Prakash A, Wruck L, Colan SD, Atz AM, Bradley TJ, Fogel MA, Hurwitz LM, Marcus E, Powell AJ, Printz BF, Puchalski MD, Rychik J, Shirali G, Williams R, Yoo SJ, Geva T.**

Comparison of echocardiographic and cardiac magnetic resonance imaging measurements of functional single ventricular volumes, mass, and ejection fraction (from the Pediatric Heart Network Fontan Cross-Sectional Study).

Am J Cardiol 2009;104:419-428.

- 192. Robbers-Visser D, Kapusta L, Osch-Gevers L van, Strengers JLM, Boersma E, Rijke YB de, Boomsma F, Bogers AJJC, Helbing WA**

Clinical outcome 5 to 18 years after Fontan operation under 5 years of age.

J Thorac Cardiovasc Surg 2009; 138: 89-95

- 193. Marsan NA, Tops LF, Westenberg JJM, Delgado V, Roos A de, Wall EE van der, Schalij MJ, Bax JJ.**

Usefulness of multimodality imaging for detecting differences in temporal occurrence of left ventricular systolic mechanical events in healthy young adults.

Am J Cardiol 2009;104:440-446.

- 194. Roes SD, Mollema SA, Lamb HJ, Wall EE van der, Roos A de, Bax JJ.**

Validation of echocardiographic two-dimensional speckle tracking longitudinal strain imaging for viability assessment in patients with chronic ischemic left ventricular dysfunction and comparison with contrast-enhanced magnetic resonance imaging.

Am J Cardiol 2009;104:312-317.

- 195. Romeih S, Kroft LJ, Bokenkamp R, Schalij MJ, Grotenhuis H, Hazekamp MG, Groenink M, Roos A de, Blom NA.**

Delayed improvement of right ventricular diastolic function and regression of right ventricular mass after percutaneous pulmonary valve implantation in patients with congenital heart disease.

Am Heart J 2009;158:40-6.

- 196. Buechel EV, Kaiser Th, Jackson C, Schmitz A, Kellenberger CJ**

Normal right- and left ventricular volumes and myocardial mass in children measured by steady state free precession cardiovascular magnetic resonance

J Cardiovasc Magn Res 2009; doi: 10.1186/1532-429X-11-19

- 197. Ramshorst J van, Bax JJ, Beeres SLMA, Dibbets-Schneider P, Roes SD, Stokkel MPM, Roos A de, Fibbe WE, Zwaginga JJ, Boersma E, Schalij MJ, Atsma DE.**

Intramyocardial bone marrow cell injection for chronic myocardial ischemia. A randomized controlled trial.

JAMA 2009;301(19):1997-2004.

- 198. Scherptong RWC, Mollema SA, Blom NA, Kroft LJM, Roos A de, Vliegen HW, Wall EE van der, Bax JJ, Holman ER.**
Right ventricular peak systolic longitudinal strain is a sensitive marker for right ventricular deterioration in adult patients with tetralogy of Fallot.
Int J Cardiovasc Imaging 2009;25:669-676.
- 199. Marsan NA, Westenberg JJM, Ypenburg C, Bommel RJ van, Roes S, Delgado V, Tops LF, Geest RJ van der, Boersma E, Roos A de, Schalij MJ, Bax JJ.**
Magnetic resonance imaging and response to cardiac resynchronization therapy: relative merits of left ventricular dyssynchrony and scar tissue.
Eur Heart J 2009;30:2360-2367.
- 200. Maron MS, Appelbaum E, Harrigan CJ, Buross J, Gibson CM, Hanna C, Lesser JR, Udelson JE, Manning WJ, Maron BJ.**
Clinical profile and significance of delayed enhancement in hypertrophic cardiomyopathy.
Circ Heart Failure 2008;1:184-191.
- 201. Nijveldt R, Vleuten PA van der, Hirsch A, Beek AM, Tio RA, Tijssen JGP, Piek JJ, Rossum AC van, Zijlstra F.**
Early electrocardiographic findings and MR imaging-verified microvascular injury and myocardial infarct size.
J Am Coll Cardiol Img 2009;2:1187-1194.
- 202. Roes SD, Kaandorp TAM, Marsan NA, Westenberg JJM, Dibbets-Schneider P, Stokkel MP, Lamb HJ, Wall EE van der, Roos A de, Bax JJ.**
Agreement and disagreement between contrast-enhanced magnetic resonance imaging and nuclear imaging for assessment of myocardial viability.
Eur J Nucl Med Mol Imaging 2009; 36: 594-601.
- 203. Rolf MP, Hofman MBM, Kuijper JPA, Pai VM, Greiser A, Rossum van AC, Heethaar RM.**
Extrinsic multiecho phase-contrast SSFP: evaluation on cardiac output measurements.
Journal of Magnetic Resonance Imaging 2009; 27: 385–392
- 204. Rolf MP, Hofman MBM, Kuijper JPA, Rossum van AC, Heethaar RM.**
3D Velocity quantification in the heart: improvements by 3D PC-SSFP.
Journal of Magnetic Resonance Imaging 2009; 30: 947-955
- 205. Rüssel IK, Götte MJW, Roest GJ de, Marcus T, Tecelao R, Allaart CP, Cock CC de, Heethaar RM, Rossum AC van**
Loss of opposite left ventricular basal and apical rotation predicts acute response to cardiac resynchronization therapy and is associated with long-term reversed remodeling.
J Cardiac Fail 2009; 15: 717-725
- 206. Kelle S, Roes SD, Klein C, Kokocinski T, Roos A de, Fleck E, Bax JJ, Nagel E.**

Prognostic value of myocardial infarct size and contractile reserve using magnetic resonance imaging.

J Am Coll Cardiol 2009;54:1770-7.

207. Grotenhuis HB, Ottenkamp J, Bruijn L de, Westenber JJJM, Vliegen HW, Kroft LJM, Roos A de.

Aortic elasticity and size are associated with aortic regurgitation and left ventricular dysfunction in tetralogy of Fallot after pulmonary valve replacement.

Heart 2009;95:1931-1936.

208. Romeih S, Kroft LJ, Bokenkamp R, Schali J MJ, Grotenhuis H, Hazekamp MG, Groenink M, Roos A de, Blom NA

Delayed improvement of right ventricular diastolic function and regression of right ventricular mass after percutaneous pulmonary valve implantation in patients with congenital heart disease.

Am Heart J 2009; 158(1): 40-46

209. Ajmone Marsan N, Westenber JJJM, Ypenburg C, Delgado V, Bommel RJ van, Roes SD, Nucifora G, Geest RJ van der, Roos A de, Reiber JC, Schali J MJ, Bax JJ.

Quantification of functional mitral regurgitation by real-time 3D echocardiography. Comparison with 3D velocity-encoded cardiac magnetic resonance.

J Am Coll Cardiol Img 2009;2:1245-52.

210. Ajmone Marsan N, Westenber JJJM, Ypenburg C, Bommel RJ van, Roes S, Delgado V, Tops LF, Geest RJ van der, Boersma E, Roos A de, Schali J MJ, Bax JJ.

Magnetic resonance imaging and response to cardiac resynchronization therapy: relative merits of left ventricular dyssynchrony and scar tissue.

Eur Heart J 2009; 30: 2360-2367

211. Brandts A, Elderen SGC van, Westenber JJJM, Grond J van der, Buchem MA van, Huisman MV, Kroft LJM, Tamsma JT, Roos A de.

Association of aortic arch pulse wave velocity with left ventricular mass and lacunar brain infarcts in hypertensive patients: assessment with MR imaging.

Radiol 2009;253(3):681-688.

212. Larose E, Proulx G, Voisine P, Rodés-Cabau J, Laroche J R De, Rossignol G, Bertrand OF, Tremblay JP.

Percutaneous Versus Surgical Delivery of Autologous Myoblasts After Chronic Myocardial Infarction: An In Vivo Cardiovascular Magnetic Resonance Study.

Catheterization and Cardiovascular Interventions 2010;75:120-127.

213. Joshi SB, Chao T, Herzka DA, Zeman PR, Cooper HA, Lindsay J, Fuisz AR.

Cardiovascular magnetic resonance T2 signal abnormalities in left ventricular ballooning syndrome.

Int J Cardiovasc Imaging 2010;26:227-232.

- 214. Heidary S, Patel H, Chung J, Yokota H, Gupta SN, Bennett MV, Katikireddy C, Nguyen P, Pauly JM, Terashima M, McConnell MV, Yang PC.**
Quantitative tissue characterization of infarct core and border zone in patients with ischemic cardiomyopathy by magnetic resonance is associated with future cardiovascular events.
J Am Coll Cardiol 2010;55(24):2762-8.
- 215. Kim HK, Kim YJ, Park EA, Bae JS, Lee W, Kim KH, Kim KB, Sohn DW, Ahn H, Park JH, Park YB.**
Assessment of haemodynamic effects of surgical correction for severe functional tricuspid regurgitation: cardiac magnetic resonance imaging study.
Eur Heart J 2010;31:1520-28.
- 216. Hulst AE van der, Westenberg JJM, Kroft LJM, Bax JJ, Blom NA, Roos A de, Roest AAW**
Tetralogy of Fallot: 3D velocity-encoded MR imaging for evaluation of right ventricular valve flow and diastolic function in patients after correction
Radiology 2010; 256: 724-734
- 217. Kremers FPPJ, Hofman MBM, Groothuis JGJ, Jerosch-Herold M, Beek AM, Zuehlsdorff S, Nilles-Vallespin S, Rossum AC van, Heethaar RM**
Improved correction of spatial inhomogeneities of surface coils in quantitative analysis of first-pass myocardial perfusion imaging
JMRI 2010; 31: 227-233
- 218. Groothuis JGJ, Kremers FPPJ, Beek AM, Brinckman SL, Tuinenburg AC, Jerosch-Herold M, Rossum AC van, Hofman MBM**
Comparison of dual to single contrast bolus magnetic resonance myocardial perfusion imaging for detection of significant coronary artery disease
JMRI 2010; 32: 88-93
- 219. Tao Q, Milles J, Zeppenfeld K, Lamb HJ, Bax JJ, Reiber JHC, Geest RJ van der**
Automated segmentation of myocardial scar in late enhancement MRI using combined intensity and spatial information
Magn Reson in Med 2010; 64: 586-594
- 220. Hulst AE van der, Delgado V, Holman ER, Kroft LJM, Roos A de, Hazekamp MG, Blom NA, Bax JJ, Roest AAW.**
Relation of left ventricular twist and global strain with right ventricular dysfunction in patients after operative "Correction" of Tetralogy of Fallot.
Am J Cardiol 2010; 106: 723-729.
- 221. Larose E, Rodés-Cabau J, Pibarot P, Rinfret S, Proulx G, Nguyen CM, Déry JP, Gleeton O, Roy L, Noël B, Barbeau G, Rouleau J, Boudreault JR, Amyot M, Laroche R de, Bertrand OF.**
Predicting late myocardial recovery and outcomes in the early hours of ST-segment elevation

- myocardial infarction. Traditional measures compared with microvascular obstruction, salvaged myocardium, and necrosis characteristics by cardiovascular magnetic resonance. *J Am Coll Cardiol* 2010;55(22):2459-69.
- 222. O'Hanlon R, Grasso A, Roughton M, Moon JC, Clark S, Wage R, Webb J, Kulkarni M, Dawson D, Sulaiibekh L, Chandrasekaran B, Bucciarelli-Ducci C, Pasquale F, Cowie MR, McKenna WJ, Sheppard MN, Elliott PM, Pennell DJ, Prasad SK.**
Prognostic significance of myocardial fibrosis in hypertrophic cardiomyopathy. *J Am Coll Cardiol* 2010;56(11):867-74.
- 223. Khouri MG, Peshock RM, Ayers CR, Lemos JA de, Drazner MH.**
A 4-tiered classification of left ventricular hypertrophy based on left ventricular geometry. The Dallas Heart Study. *Circ Cardiovasc Imaging* 2010;3:164-171
- 224. Larose E, Tizon-Marcos H, Rodés-Cabau J, Rinfret S, Déry JP, Nguyen CM, Gleeton O, Boudreault JR, Roy L, Noël B, Proulx G, Rouleau J, Barbeau G, Larochelière R de, Bertrand OF.**
Improving myocardial salvage in late presentation acute ST-elevation myocardial infarction with proximal embolic protection. *Catheterization and Cardiovascular Interventions* 2010;76:461-470.
- 225. Ho CY, Lopez B, Coelho-Filho OR, Lakdawala NK, Cirino AL, Jarolim CGCP, Kwong R, Gonzalez A, Colan SD, Seidman JG, Diez J, Seidman CE.**
Myocardial fibrosis as an early manifestation of hypertrophic cardiomyopathy *N Engl J Med* 2010; 363: 552-563
- 226. Radjenovic A, Biglands JD, Larghat A, Ridgway JP, Ball SG, Greenwood JP, Jerosch-Herold M, Plein S.**
Estimates of systolic and diastolic myocardial blood flow by dynamic contrast-enhanced MRI. *Magn Res in Medicine* 2010;64:1696-1703
- 227. Shanks M, Siebelink HMJ, Delgado V, Veire NRL van de, Ng ACT, Sieders A, Schuijff JD, Lamb HJ, Marsan NA, Westenberg JJM, Kroft LJ, Roos A de, Bax JJ.**
Quantitative assessment of mitral regurgitation. Comparison between three-dimensional transesophageal echocardiography and magnetic resonance imaging. *Circ Cardiovasc Imaging* 2010;3:694-700
- 228. Syed IS, Glockner JF, Feng DL, Araoz PA, Martinez MW, Edwards WD, Gertz MA, Dispenzieri A, Oh JK, Bellavia D, Tajik AJ, Grogan M.**
Role of cardiac magnetic resonance imaging in the detection of cardiac amyloidosis. *JACC Cardiovasc Imaging* 2010;3(2):155-64
- 229. Miszalski-Jamka T, Klimeczek P, Tomala M, Krupinski M, Zawadowski G, Noelting J, Lada M, Sip K, Banys R, Mazur W, Kereiakes DJ, Zmudka K, Pasowicz M.**

Extent of RV dysfunction and myocardial infarction assessed by CMR are independent outcome predictors early after STEMI treated with primary angioplasty.

JACC Cardiovasc Imaging 2010;3:1237-1246

- 230. Doyle M, Weinberg N, Pohost GM, Bairey Merz CN, Shaw LJ, Sopko G, Fuisz A, Rogers WJ, Walsh EG, Johnson BD, Sharaf BL, Pepine CJ, Mankad S, Reis SE, Vido DA, Rayarao G, Bittner V, Tauxe L, Olson MB, Kelsey SF, Biederman RWW.** Prognostic value of global MR Myocardial perfusion imaging in women with suspected myocardial ischemia and no obstructive coronary disease.
JACC Cardiovasc Imaging 2010;3(10):1030-6
- 231. Lockie T, Ishida M, Perera D, Chiribiri A, De Silva K, Kozerke S, Marber M, Nagel E, Rezavi R, Redwood S, Plein S.** High-resolution magnetic resonance myocardial perfusion imaging at 3.0-Tesla to detect hemodynamically significant coronary stenoses as determined by fractional flow reserve.
JACC 2011;57(1):70-5
- 232. Perez-David E, Arenal A, Rubio-Guivernau JL, del Castillo R, Atea L, Arbelo E, Caballero E, Celorrio V, Datino T, Gonzalez-Torrecilla E, Atienza F, Ledesma-Carbayo MJ, Bermejo J, Medina A, Fernández-Avilés F.** Noninvasive identification of ventricular tachycardia-related conducting channels using contrast-enhanced magnetic resonance imaging in patients with chronic myocardial infarction.
JACC 2011;57(2):184-94
- 233. Robbers-Visser D, Luijnenburg SE, Berg J van den, Roos-Hesselink JW, Strengers JL, Kapusta L, Moelker A, Helbing WA.** Safety and observer variability of cardiac magnetic resonance imaging combined with low-dose dobutamine stress-testing in patients with complex congenital heart disease.
Int J Cardiol 2011; 147: 214-218
- 234. Harrigan CJ, Peters DC, Gibson CM, Maron BJ, Manning WJ, Maron MS, Appelbaum E.** Hypertrophic cardiomyopathy: Quantification of late-gadolinium enhancement with contrast-enhanced cardiovascular MR imaging.
Radiology 2011;258(1):128-133
- 235. Roest GJ de, Allaart CP, Haan S de, Hendriks ML, Bronzwaer JGF, Rossum AC van, Cock CC de** Effects of QRS duration and pacing location on pressure-volume loop evaluation of cardiac resynchronization therapy in end-stage heart failure
Am J Cardiol 2011; 108: 1581-1588
- 236. Vogel-Claussen J, Skrok J, Shehata ML, Singh S, Sibley CT, Boyce DM, Lechtzin N, Girgis RE, Mathai SC, Goldstein TA, Zheng J, Lima JAC, Bluemke DA, Hassoun PM.** Right and left ventricular myocardial perfusion reserves correlate with right ventricular

function and pulmonary hemodynamics in patients with pulmonary arterial hypertension.
Radiology;258 (1):119-127

- 237. Rüssel IK, Brouwer WP, Germans T, Knaapen, Marcus JT, Velden J van der, Götte MJW, Rossum AC van**
Increased left ventricular torsion in hypertrophic cardiomyopathy mutation carriers with normal wall thickness.
J Cardiovasc Magn Reson 2011; 13:3
- 238. Klok FA, Romeih S, Kroft LJM, Westenberg JJM, Huisman MV, Roos A de**
Recovery of right and left ventricular function after acute pulmonary embolism.
Clin Radiol 2011; 66(12): 1203-1207
- 239. Bertrand OF, Larose E, Costerousse O, Mongrain R, Rodés-Cabau J, Déry JP, Nguye CM, Barbeau G, Gleeton O, Proulx G, Larochellière R de, Noël B, Roy L.**
Effects of aspiration thrombectomy on necrosis size and ejection fraction after transradial percutaneous coronary intervention in acute ST-elevation myocardial infarction.
Cath and Cardiovasc Interv 2011;77:475-482
- 240. Hulst AE van der, Roest AAW, Delgado V, Kroft LJM, Holman ER, Blom NA, Bax JJ, Roos A de, Westenberg JJM**
Corrected tetralogy of Fallot: comparison of tissue Doppler imaging and velocity-encoded MR for assessment of performance and temporal activation of right ventricle.
Radiology 2011; 260: 88-97
- 241. Marsan NA, Westenberg JJM, Roes SD, Bommel RJ van, Delgado V, Geest RJ van der, Roos A de, Klautz RJ, Reiber JC, Bax JJ**
Three-dimensional echocardiography for the preoperative assessment of patients with left ventricular aneurysm
Ann Thorac Surg 2011; 91: 113-122.
- 242. Farzaneh-Far A, Ariyarajah V, Shenoy C, Dorval JF, Kaminski M. Curillova Z, Wu H, Brown KB, Kwong RY.**
Left atrial passive emptying function during dobutamine stress MR imaging is a predictor of cardiac events in patients with suspected myocardial ischemia.
JACC Cardiovasc Imaging 2011;4(4):378-88
- 243. Yan RT, Bluemke D, Gomes A, Burke G, Shea S, Liu K, Bahrami H, Sinha S, Wu C, Fernandes V, McClelland R, Lima JAC.**
Regional left ventricular myocardial dysfunction as a predictor of incident cardiovascular events. MESA (Multi-ethnic study of atherosclerosis).
JACC 2011;57(17):1735-44
- 244. Bloomer TN, Plein S, Radjenovic A, Higgins DM, Jones TR, Ridgway JP, Sivananthan MU.**

Cine MRI using steady state free precession in the radial long axis orientation is a fast accurate method for obtaining volumetric data of the left ventricle.

Journal of Magnetic Resonance Imaging 2001;14:685-692

- 245. Vogel-Claussen J, L. Shehata M, Lossnitzer D, Skrok J, Singh S, Boyce D, Lechtzin N, Girgis RE, Mathai SC, Lima JA, Bluemke DA, Hassoun PM.**
Increased Right Ventricular Septomarginal Trabeculation Mass is a Novel Marker for Pulmonary Hypertension
Comparison With Ventricular Mass Index and Right Ventricular Mass
Investigative Radiology 2011;14(9):567-575
- 246. Bolli R, D'Amario D, Laughran JH, Stoddard MF, Ikram S, Beache GM, Wagner SG, Leri A, Hosoda T, Sanada F, Elmore JB, Goichberg P, Cappetta D, Solanskhi NK, Fahsah I, Rokosh DG, Slaughter MS, Kajstura J, Anversa P**
Cardiac stem cells in patients with ischaemic cardiomyopathy (SCIPIO): initial results of a randomised phase 1 trial
Lancet 2011; 378: 1847-1857
- 247. Boye P, Abdel-Aty H, Zacherzowsky U, Bohl S, Schwenke C, Geest van der RJ, Dietz R, Schirdewan A, Schulz-Menger J.**
Prediction of Life-Threatening Arrhythmic events in Patients With Chronic Myocardial Infarction by Contrast-Enhanced CMR
JACC Cardiovascular imaging 2011;4(8):871-879
- 248. Coelho-Filho OR, Seabra LF, Mongeon FP, Abdullah SM, Francis SA, Blankstein R, Carli Di MF, Jerosch-Herold M, Wong RY.**
Stress myocardial perfusion imaging by CMR provides strong prognostic value to cardiac events regardless of patient's sex.
JACC Cardiovascular Imaging 2011;4(8): 850-861
- 249. Redheuil A, Yu WC, Mousseaux E, Harouni AA, Kachenoura N, Wu CO, Bluemke D, Lima JAC.**
Age-related changes in aortic arch geometry
Relationship with proximal aortic function and left ventricular Mass and remodeling.
Journal of the American College of Cardiology 2011;58(12): 1262-1270
- 250. Dweck MR, Joshi S, Murigu T, Alpendurada F, Jabbour A, Melina G, Banya W, Gulati A, Roussin I, Raza S, Prasad NA, Wage R, Quatro C, Angeloni E, Refice S, Sheppard M, Cook SA, Kilner PJ, Pennell DJ, Newby DE, Mohiaddin RH, Pepper J, Prasad SK.**
Midwall fibrosis is an independent predictor of mortality in patients with aortic stenosis.
JACC 2011;58(12):1271-1279
- 251. Crean AM, Maredia N, Ballard G, Menezes R, Wharton G, Forster J, Greenwood JP, Thomson JD.**

3D Echo systematically underestimates right ventricular volumes compared to cardiovascular magnetic resonance in adult congenital heart disease patients with moderate or severe RV dilatation.

Journal of Cardiovascular Magnetic Resonance 2011;13(78):1-32

252. Motwani M, Fairbairn TA, Larghat A, Mather AN, Biglands JD, Radjenovic A, Greenwood JP, Plein S.

Systolic versus diastolic acquisition in myocardial perfusion MR imaging.

Radiology 2012; 3(262):816-823

253. Hulst AE van der, Westenberg JJM, Delgado V, Kroft LJM, Holman ER, Blom NA, Bax

JJ, Roos A de, Roest AAW.

Tissue-Velocity magnetic resonance imaging and tissue Doppler imaging to assess regional myocardial diastolic velocities at the right ventricle in corrected pediatric tetralogy of fallot patients.

Investigative Radiology 2012;(3);189-196

254. Veerdonk MC van de, Kind T, Marcus JT, Mauritz GJ, Heymans MW, Boogaard HJ, Boonstra A, Marques KMJ, Westerhof N, Vonk-Noordegraaf A.

Progressive right ventricular dysfunction in patients with pulmonary arterial hypertension responding to therapy.

JACC 2011;58(24):2511-2519

255. Steadman CD, Herold MJ, Grundy B, Rafelt S, Ng LL, Squire IB, Sumani MJ, McCan GP

Determinants and functional significance of myocardial perfusion reserve in severe aortic stenosis.

JACC Cardiovascular Imaging 2012;5(2):183-191

256. Robbers-Visser D, Kapusta L, Osch-Gevers van L, Strengers JLM, Boersma E, Rijke de YB, Boomsma F, Bogers AJJC, Helbing WA.

Clinical outcome 5 to 18 years after the fontan operation performed on children younger than 5 years.

The Journal of Thoracic and Cardiovascular Surgery;138(1):89-95

257. Robbers-Visser D, Harkel ten DJ, Kapusta L, Strengers JL, Dalinghaus M, Meijboom FJ, Pattynama PM, Bogers AJ, Helbing WA.

Usefulness of cardiac magnetic resonance imaging combined with low-dose Dobutamine stress to detect an abnormal ventricular stress response in children and young adults after fontan operation at young age.

Am J Cardiol 2008;101: 1657-1662

258. Robbers-Visser D, Boersma E, Helbing WA.

Normal biventricular function, volumes, and Mass in children aged 8 to 17 years.

Journal of magnetic resonance imaging 2009;29:552-559

259.Robbers-Visser D, Helderma F, Strengers JL, Osch-Gevers van L, Kapusta L, Pattynama PM, Bogers AJ, Krams R, Helbing WA.

Pulmonary artery size and function after fontan operation at a young age.

Journal of magnetic resonance imaging 2008;28:1101-1107

260.Luijnenburg SE, Robbers-Visser D, Moelker A, Vliegen HW, Mulder BJM, Helbing WA.

Intra-observer and interobserver variability of biventricular function, volumes and mass patients with congenital heart disease measured by CMR imaging.

Int J Cardiovasc Imaging 2010;26:67:57-64

261.Brandts A, Elderen van SGC, Tamsma JT, Smit JWA, Kroft LJM, Lamb HJ, Meer van der RW, Westenberg JJM, Roos de A.

The effect of hypertension on aortic pulse wave velocity in type-1 diabetes mellitus patients: assessment with MRI.

Int J Cardiovasc Imaging 2012;28:543-550

262.Bondarenko O, Beek AM, Nijveldt R, McCann GP, Dockum van WG, Hofman MBM, Twisk JWR, Visser CA, Rossum van CA.

Functional outcome after revascularization in patients with chronic ischemic heart disease: A quantitative late gadolinium enhancement CMR study evaluating transmural scar extent, wall thickness and periprocedural necrosis

Journal of Cardiovascular Magnetic Resonance 2007;9:815-821

263.Bondarenko O, Beek AM, Twisk JWR, Visser CA, Rossum van AC.

Time course of functional recovery after revascularization of hibernating myocardium: a contrast-enhanced cardiovascular magnetic resonance study.

European Heart Journal 2008;29:2000-2005

264.Arnold JR, Karamitsos TD, Ariza PB, Francis JM, Searle N, Robson MD, Howells RK, Choudhury RP, Rimoldi OE, Camici PG, Banning AP, Neubauer S, Selvanayagam MJB.

Myocardial oxygenation in coronary artery disease.

JACC 2012;59(22)1954-1964

265.Indik JH, Dallas WJ, Gear K, Tandri H, Bluemke DA, Moukabary T, Marcus FI.

Right ventricular volume analysis by angiography in right ventricular cardiomyopathy.

Int J Cardiovasc Imaging 2012;28:995-1001

266.Kim K, Kim H, Hwang I, Lee S, Park E, Lee W, Kim Y, Park J, Sohn D.

Myocardial scarring on cardiovascular magnetic resonance in asymptomatic or minimally symptomatic patients with 'pure' apical hypertrophic cardiomyopathy.

Journal of Magnetic Resonance Imaging 2012;14;52

- 267. Bovens SM, Boekhorst te BCM, Ouden de K, Kolk van de KWA, Nauerth A, Nederhoff, MGJ, Pasterkamp G, Hove ten M, Echteld van CJA.**
Evaluation of infarcted murine heart function: comparison of prospectively triggered with self-gated MRI.
NMR Biomed 2011; 24: 307–315
- 268. Aguor ENE, Arslan F, Kolk van de CWA, Nederhoff MGJ, Doevendans PA, Echteld van CJA, Pasterkamp G, Strijkers GJ.**
Quantitative T2 * assessment of acute and chronic myocardial ischemia/reperfusion injury in mice.
Springlink.com 2012; published online: 11 February 2012
- 269. Nacif MS, Kawel N, Lee JJ, Chen X, Yao J, Zavodni A, Sibley CT, Lima JACC, Liu S, Bluemke DA.**
Interstitial myocardial fibrosis assessed as extracellular volume fraction with low-radiation-dose cardiac CT.
Radiology 2012; 264(3): 876-883
- 270. Mor-Avi V, Yodwut C, Jenkins C, Kühl H, Nesser HJ, Marwick TH, Franke A, Weinert L, Niel J, Steringer-Mascherbauer R, Freed BH, Sugeng L, Lang RM.**
Real-Time 3D echocardiographic quantification of left atrial volume.
JACC: Cardiovascular Imaging 2012; 5(8): 769-777
- 271. Armstrong AC, Gidding S, Gjesdal O, Wu C, Bluemke DA, Lima JAC.**
LV Mass assessed by echocardiography and CMR, cardiovascular outcomes, and medical practice.
JACC: Cardiovascular Imaging 2012; 5(8): 837-848
- 272. Mavrogeni S, Bratis K, Wijk K van, Stavropoulos E, Hautemann D, Reiber JH, Kolovou G**
Myocardial perfusion-fibrosis pattern in systemic sclerosis assessed by cardiac magnetic resonance.
Int J Cardiol 2012; 159: e56-58
- 273. Romeih S, Groenink M, Roest AAW, Plas MN van der, Hazekamp MG, Mulder BJM, Blom NA**
Exercise capacity and cardiac reserve in children and adolescents with corrected pulmonary atresia with intact ventricular septum after univentricular palliation and biventricular repair.
Thorac Cardiovasc Surg 2012; 143(3): 569-75
- 274. Romeih S, Groenink M, Plas MN van der, Spijkerboer AM, Hazekamp MG, Luijnenburg S, Mulder BJM, Blom NA**
Effect of age on exercise capacity and cardiac reserve in patients with pulmonary atresia with intact ventricular septum after biventricular repair
Eur J Cardiothorac Surg 2012; 42(1): 50-55.

- 275. Romeih S, Blom NA, Plas MN van der, Spijkerboer AM, Roest AAW, Vliegen HW, Mulder BJM, Groenink M.**
Impaired cardiac reserve in asymptomatic patients with moderate pulmonary restenosis late after relief of severe pulmonary stenosis: evidence for diastolic dysfunction
Int J Cardiol 2012; 158(3): 359-363
- 276. Brouwer WP, Germans T, Head MC, Velden J van der, Heymans MW, Christiaans I, Houweling AC, Wilde AA, Rossum AC van**
Multiple myocardial crypts on modified long-axis view are a specific finding in pre-hypertrophic HCM mutation carriers.
Eur Heart J-Cardiovasc Imaging 2012; 13: 292-297
- 277. Todiere G, Aquaro GD, Piaggi P, Formisano F, Barison A, Masci PG, Strata E, Bacigalupo L, Marzilli M, Pingitore A, Lombardi M.**
Progression of myocardial fibrosis assessed with cardiac magnetic resonance in hypertrophic cardiomyopathy.
JACC 2012; 60(10): 922-929
- 250. Hulst AE van der, Westenbergh JJM, Delgado V, Kroft LJM, Holman ER, Blom NA, Bax JJ, Roos A de, Roest AAW.**
Tissue-velocity magnetic resonance imaging and tissue Doppler imaging to assess regional myocardial diastolic velocities at the right ventricle in corrected pediatric tetralogy of Fallot patients.
Invest Radiol 2012; 47: 189-196
- 251. Piewak M, Malek LA, Petryka J, Mazurkiewicz L, Werys K, Biernacka KE, Kowalski M, Hoffman P, Demkow M, Mi ko J, Ruylo W.**
Repaired tetralogy of fallot: Ratio of right ventricular volume to left ventricular volume as a marker of right ventricular dilatation.
Radiology 2012; 265(1): 78-86
- 252. Winter MM, Romeih S, Bouma BJ, Groenink M, Blom NA, Spijkerboer AM, Mulder BJM.**
Is cardiac CT a reproducible alternative for cardiac MR in adult patients with a systemic right ventricle?
Neth Heart J 2012; 20: 456-462
- 253. Luijburg SE, Koning WB de, Romeih S, Berg J van den, Vliegen HW, Mulder BJM, Helbing WA**
Exercise capacity and ventricular function in patients treated for isolated pulmonary valve stenosis or tetralogy of Fallot.
Int J Cardiol 2012; 158: 359-363.
- 254. Pilot Study of Arnold C.T. Ng, MBBS, PhD*; Dominique Auger, MD*; Victoria Delgado, MD, PhD; Saskia G.C. van Elderen, MD; Matteo Bertini, MD, PhD; Hans-Marc Siebelink, MD, PhD; Rob J. van der Geest, PhD; Cosimo Bonetti, PhD; Enno T. van der Velde, PhD;**

- Albert de Roos, MD, PhD; Johannes W.A. Smit, MD, PhD; Dominic Y. Leung, MBBS, PhD; Jeroen J. Bax, MD, PhD; Hildo J. Lamb, MD, MSc, PhD**
Association Between Diffuse Myocardial Fibrosis by Cardiac Magnetic Resonance Contrast-Enhanced T1 Mapping and Subclinical Myocardial Dysfunction in Diabetic Patients.
American Heart Journal; Circ Cardiovasc Imaging. 2012;5:51-59
- 255. Horng H. Chen, MB, BCH,* James F. Glockner, MD,† John A. Schirger, MD,* Alessandro Cataliotti, MD, PhD,* Margaret M. Redfield, MD,* John C. Burnett Jr, MD***
Novel Protein Therapeutics for Systolic Heart Failure; Chronic Subcutaneous B-Type Natriuretic Peptide
JACC 2012.07.056
- 256. Liu S, Han J, Nacif MS, Jones J, Kawel N, Kellman P, Sibley CT, Bluemke DA**
Diffuse myocardial fibrosis evaluation using cardiac magnetic resonance T1 mapping: sample size considerations for clinical trials.
J Cardiovasc Magn Resonance 2012; 14: 90 –
- 257. Laan AM van der, Hirsch A, Robbers LFHJ, Nijveldt R, Lommerse I, Delewi R, Vleuten PA van der, Biemond BJ, Zwaginga JJ, Giesen WJ van der, Zijlstra F, Rossum AC van der, Voermans C, Schoot CE van der, Piek JJ.**
A proinflammatory monocyte response is associated with myocardial injury and impaired functional outcome in patients with ST-segment elevation myocardial infarction: monocytes and myocardial infarction.
Am Heart J 2012; 163: 57-62.e2
- 258. Shehata ML, Harouni AA, Skrok J, Basha TA, Boyce D, Lechtzin N, Mathai SC, Girgis R, Osman NF, Lima JAC, Bluemke DA, Hassoun PM, Vogel-Claussen J.**
Regional and global biventricular function in pulmonary arterial hypertension: A cardiac MR imaging study.
Radiology 2013; 266(1): 114- 122
- 259. Fontana M, Barison A, Botto N, Panchetti L, Ricci G, Milanese M, Poletti R, Positano V, Siciliano G, Passino C, Lombardi M, Emdin M, Masci PG.**
CMR-verified interstitial myocardial fibrosis as a marker of subclinical cardiac involvement in LMNA mutation carriers.
JACC: Cardiovascular Imaging 2013; 6(1): 124-126
- 260. Choi E-Y, Hwang SH, Yoon YW, Park CH, Paek MY, Greiser A, Chung H, Yoon J-H, Kim J-Y, Min P-K, Lee BK, Hong B-K, Rim S-J, Kwon HM, Kim TH.**
Correction with blood T1 is essential when measuring post-contrast myocardial T1 value in patients with acute myocardial infarction.
J Cardiovasc Magn Reson 2013; 15: 11-19
- 261. Pop-Busui R, Cleary PA, Brafett BH, Martin CL, Herman WH, Low PA, Lima JAC, Bluemke DA for the DCCT/EDIC Research Group.**
Association between cardiovascular autonomic neuropathy and left ventricular dysfunction.

DCCT/EDIC Study (Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications).
JACC 2013; 61(4): 447-54.

- 262. Jimenez-Juan L, Joshi SB, Wintersperger BJ, Yan AT, Ley S, Crean AM, Nguyen ET, Deva DP, Paul NS, Wald RM**
Assessment of right ventricular volumes and function using cardiovascular magnetic resonance cine imaging after atrial redirection surgery for complete transposition of the great arteries.
Int J Cardiovasc Imaging 2013; 29: 335-342
- 263. Wu Y, Yang F, Chung Y-C**
Robust and fast SSFP for the evaluation of LV function at 3T
J Cardiovasc Magn Reson 2013; 15(Suppl1): O52
- 264. Bull S, White SK, Piechnik SK, Flett AS, Ferreira VM, Loudon M, Francis JM, Karamitsos TD, Prendergast BD, Robson MD, Neubauer S, Moon JC, Myerson SG**
Human non-contrast T1 values and correlation with histology in diffuse fibrosis.
Heart 2013; 0: 1-6
- 265. Bratis K, Kattamis A, Athanasiou K, Hautemann D, Wijk K van, Reiber H, Mavrogeni S.**
Abnormal myocardial perfusion-fibrosis pattern in sickle cell disease assessed by cardiac magnetic resonance imaging.
Int J Cardiol 2013; (Letter to the Editor); in press
- 266. Chen HH, Glockner JF, Schirger JA, Cataliotti A, Redfield MM, Burnett Jr JC.**
Novel protein therapeutics for systolic heart failure. Chronic subcutaneous B-Type natriuretic peptide.
J Am Coll Cardiol 2012; 60: 2305-12.
- 267. Schuleri KH, Centalo M, Choi SH, Evers KS, Dawoud F, George RT, Lima JC, Lardo AC**
CT for evaluation of myocardial cell therapy in heart failure. A comparison with CMR imaging.
J Am Coll Cardiol Img 2011; 4: 1284-93
- 268. Steadman CD, Jerosch-Herold M, Grundy B, Rafelt S, Ng LL, Squire IB, Samani NJ, McCann GP**
Determinants and functional significance of myocardial perfusion reserve in severe aortic stenosis.
J Am Coll Cardiol Img 2012; 5: 182-9.
- 269. Mina Y, Rinkevich-Shop S, Konen E, Goitein O, Kushnir T, Epstein F, Feinberg MS, Leor J, Landa-Rouben N.**

Mast cell inhibition attenuates myocardial damage, adverse remodeling and dysfunction during fulminant myocarditis in the rat.

J Cardiovasc Pharmacology and Therapeutics 2012.

- 270. Godeschalk-Slagboom CJ, Geest RJ van der, Zeppenfeld K, Botha CP**
Cardiac MRI visualization for ventricular tachycardia ablation
Int J CARS, 2012
- 271. Handayani A, Sijens PE, Lubbers DD, Triadyaksa P, Oudkerk M, Ooijen PMA van.**
Influence of the choice of software packages on the outcome of semiquantitative MR myocardial perfusion analysis.
Radiology 2013; 266(3): 759-765.
- 272. Karamitsos TD, Dass S, Suttie J, Sever E, Birks J, Holloway CJ, Robson MD, Jerosch-Herold M, Watkins H, Neubauer S**
Blunted myocardial oxygenation response during vasodilator stress in patients with hypertrophic cardiomyopathy.
J Am Coll Cardiol 2013; 61(11): 1169-1176
- 273. Brandts A, Westenberg JJM, Elderen SGC van, Kroft LJM, Roes SD, Tamsma JT, Geest RJ van der, Lamb HJ, Doornbos J, Putter H, Stuber M, Roos A de.**
Site-specific coupling between vascular wall thickness and function. An observational MRI study of vessel wall thickening and stiffening in hypertension.
Invest Radiol 2013; 48(2): 86-91.
- 274. Piers SRD, Hulst van Taxis van CFB, Tao Q, Geest RJ van der, Askar SF, Siebelink H-MJ, Schalij MJ, Zeppenfeld K.**
Epicardial substrate mapping for ventricular tachycardia ablation in patients with non-ischaemic cardiomyopathy: a new algorithm to differentiate between scar and viable myocardium developed by simultaneous integration of computed tomography and contrast-enhanced magnetic resonance imaging.
Eur Heart J 2013(34): 586-596.
- 275. Wassmuth R, Prothmann M, Utz W, Dieringer M, Knobelsdorff-Brenkenhoff F von, Greiser A, Schultz-Menger J.**
Variability and homogeneity of cardiovascular magnetic resonance myocardial T2-mapping in volunteers compared to patients with edema.
J Cardiovasc Magn Resonance 2013, 15:27 doi:10.1186/1532-429X-15-27
- 276. Jaspers K, Freling HG, Wijk K van, Romijns EI, Greuter MJW, Willems TP**
Improving the reproducibility of MR-derived left ventricular volume and function measurements with a semi-automatic threshold-based segmentation method.
Int J Cardiovasc Imaging 2013; 29: 617-623.
- 277. Delewi R, IJff G, Hoef TP van de, Hirsch A, Robbers LF, Nijveldt R, Laan AM van der, Vleuten PA van der, Lucas C, Tijssen JGP, Rossum AC van, Zijlstra F, Piek JJ.**

- Pathological Q Waves in myocardial infarction in patients treated by primary PCI.
J Am Coll Cardiol Img 2013; 6: 324 – 331.
- 278. Dawson DK, Hawlisch K, Prescott G, Roussin I, Pietro E Di, Deac M, Wong J, Frenneaux MP, Pennell DJ, Prasad SK**
Prognostic role of CMR in patients presenting with ventricular arrhythmias
J Am Coll Cardiol Img 2013; 6: 335 – 344.
- 279. Rayatzadeh, H, Tan A, Patel S, Hauser TH, Ngo L, Shaw JL, Hong SN, Zimetbaum P, Buxton AE, Josephson ME, Manning WJ, Nezafat R.**
Scar heterogeneity on cardiovascular magnetic resonance as a predictor of appropriate implantable cardioverter defibrillator therapy
J Cardiovasc Magn Reson 2013, 15:31 doi:10.1186/1532-429X-15-31
- 280. Karamitsos T, Dass S, Suttie J, Sever E, Birks J, Holloway CJ, Robson MD, Jerosch-Herold M, Watkins H, Neubauer S.**
Blunted myocardial oxygenation response during vasodilator stress in patients with hypertrophic cardiomyopathy.
J Am Coll Cardiol 2013; 61: 1169-76.
- 281. Ho CY, Abbasi SA, Neilan TG, Shah RV, Chen Y, Heydari B, Cirino AL, Lakdawala NK, Orav EJ, Gonzalez A, Lopez B, Diez J, Jerosch-Herold J, Kwong RY.**
T1 measurements identify extracellular volume expansion in hypertrophic cardiomyopathy sarcomere mutation carriers with and without left ventricular hypertrophy.
Circ Cardiovasc Imaging; April 2013; DOI: 10.1161/CIRCIMAGING.112.000333
- 282. Shah RV, Abbasi SA, Heydari B, Rickers C, Jacobs Jr DR, Wang L, Kwong RY, Bluemke DA, Lima JAC, Jerosch-Herold M.**
Insulin resistance, subclinical left ventricular remodeling, and the obesity paradox. MESA (Multi-Ethnic Study of Atherosclerosis)
J Am Coll Cardiol 2013; 61: 1698-1706.
- 283. Kidambi A, Mather AN, Swoboda P, Motwani M, Fairbairn TA, Greenwood JP, Plein S.**
Relationship between myocardial edema and regional myocardial function after reperfused acute myocardial infarction: an MR imaging study.
Radiology 2013; 267(3): 701-708.
- 284. King KS, Chen KX, Hulsey KM, McColl RW, Weiner MF, Nakonezny PA, Peshock RM.**
White matter hyperintensities: use of aortic arch pulse wave velocity to predict volume independent of other cardiovascular risk factors.
Radiology 2013; 267(3): 709-717.
- 285. Kidambi A, Mather AN, Motwani M, Swoboda P, Uddin A, Greenwood JP, Plein S**

The effect of microvascular obstruction and intramyocardial hemorrhage on contractile recovery in reperfused myocardial infarction: insights from cardiovascular magnetic resonance.

JMRI 2013; 15(58): doi:10.1186/1532-429X-15-58

- 286. Neilan TG, Coelho-Filho OR, Shah RV, Abbasi SA, Heydari B, Watanabe E, Chen Y, Mandry D, Pierre-Mongeon F, Blankstein R, Kwong RY, Jerosch-Herold M.**
Myocardial extracellular volume fraction from T1 measurements in healthy volunteers and mice.
JACC Img 2013; 6: 672-683
- 287. Kovács A, Apor A, Nagy A, Tóth A, Nagy AI, Kováts T, Sax B, Széplaki G, Becker D, Merkely B**
Left ventricular untwisting in athlete's heart: key role in early diastolic filling.
Sports Med 2013; DOI <http://dx.doi.org/10.1055/s-0033-1349076>
- 288. Statile CJ, Taylor MD, Mazur W, Cripe LH, King E, Pratt J, Benson DW, Hor KN**
Left ventricular noncompaction in Duchenne muscular dystrophy.
J Magn Reson Imaging 2013; 15: 67 doi 10.1186/1532-429X-15-67
- 289. Neilan TG, Coelho-Filho OR, Danik SB, Shah RV, Dodson JA, Verdini DJ, Tokuda M, Daly CA, Tedrow UB, Stevenson WG, Jeorsch-Herold M, Ghoshhajra BB, Kwong RY.**
CMR quantification of myocardial scar provides additive prognostic information in nonischemic cardiomyopathy.
J Am Coll Cardiol Img 2013;
- 290. Tacke CE, Romeih S, Kuipers IM, Spijkerboer AM, Groenink M, Kuipers TW**
Evaluation of cardiac function by magnetic resonance imaging during the follow-up of patients with Kawasaki disease.
Circ Cardiovasc Imaging 2013; 6: 67-73.
- 291. Robbers LFHJ, Eerenberg ES, Teunissen PFA, Jansen MF, Hollander MR, Horrevoets AJG, Knaapen P, Nijveldt R, Heymans MW, Levi MM, Rossum AC van, Niessen HWM, Marcu CB, Beek AM, Royen N van.**
Magnetic resonance imaging-defined areas of microvascular obstruction after acute myocardial infarction represent microvascular destruction and haemorrhage.
Eur Heart J 2013; 34: 2346-2353
- 292. Robbers LFHJ, Delewi R, Nijveldt R, Hirsch A, Beek AM, Kemme MJB, Beurden Y van, Laan AM van der, Vleuten PA van der, Tio RA, Zijlstra F, Piek JJ**
Myocardial infarct heterogeneity assessment by late gadolinium enhancement cardiovascular magnetic resonance imaging shows predictive value for ventricular arrhythmia development after acute myocardial infarction.
Eur Heart J – Cardiovasc Imaging 2013: doi:10.1093/ehjci/jet111

- 293. Choi E-Y, Rosen BD, Fernandes VRS, Yan RT, Yoneyama K, Donekal S, Opdahl A, Almeida ALC, Wu CO, Gomes AS, Bluemke DA, Lima JAC**
Prognostic value of myocardial circumferential strain for incident heart failure and cardiovascular events in asymptomatic individuals: the Multi-Ethnic Study of Atherosclerosis.
Eur Heart J 2013; 34: 2354-2361.
- 294. Ibanez B, Macaya C, Sanchez-Brunete V, Pizarro G, Fernandez-Friera L, Mateos A, Fernandez-Ortiz A, Garcia-Ruiz JM, Garcia-Alvarez A, Iniguez A, Jimenez-Borreguero J, Lopez-Romero P, Fernandez Jimenez R, Goicolea J, Ruiz-Mateos B, Bastante T, Arias M, Iglesias-Vasquez JA, Rodriguez MD, Escalera N, Acebal C, Cabrera JA, Valenciano J, Perez de Prado A, Fernandez-Campos MJ, Casado I, Garcia-Rubira JC, Garcia-Prieto J, Sanz-Rosa D, Cuellas C, Hernandez-Antolin R, Albarran A, Fernandez-Vazquez F, Torre-Hernandez JM de la, Pocock S, Sanz G, Fuster V.**
Effect of early metoprolol on infarct size in ST-segment-elevation myocardial infarction patients undergoing primary percutaneous coronary intervention. The effect of metoprolol in cardioprotection during an acute myocardial infarction (METOCARD-CNIC) trial.
DOI:10.1161/CIRCULATIONAHA.113.003653
- 295. Schinkel LD van, Willemse PM, Meer RW van der, Burggraaf J, Elderen SGC van, Smit JWA, Roos A de, Osanto S, Lamb HJ**
Chemotherapy for testicular cancer induces acute alterations in diastolic heart function.
British J Cancer 2013; 109: 891-896.
- 296. Voit D, Zhang S, Unterberg-Buchwald C, Sohns JM, Lotz J, Frahm J**
Real-time cardiovascular magnetic resonance at 1.5T using balanced SSFP and 40 ms resolution
J Cardiovasc Magn Reson 2013; 15: 79-87
- 297. Liu C-Y, Liu Y-C, Wu C, Armstrong A, Volpe GJ, Geest RJ van der, Liu Y, Hundley WG, Gomes AS, Liu S, Nacif M, Bluemke DA, Lima JAC.**
Evaluation of age-related interstitial myocardial fibrosis with cardiac magnetic resonance contrast-enhanced T1 mapping
J Am Coll Cardiol 2013; 62: 1280-7.
- 298. Bratis K, Kattamis A, Athanasiou K, Hautemann D, Wijk K van, Reiber H, Mavrogeni S**
Abnormal myocardial perfusion-fibrosis pattern in sickle cell disease assessed by cardiac magnetic resonance imaging
Int J Cardiology 2013; 166: e75-76. Letter to Editor
- 299. Mavrogeni S, Bratis K, Gavra P, Fousteris E, Markussis V, Kolovou G, Wijk K van, Hautemann D, Reiber JH, Melidonis A.**

Stress cardiac magnetic resonance reveals myocardial perfusion impairment in asymptomatic diabetes mellitus type 1, missed by the routine non-invasive evaluation.

Int J Cardiol 2013; 167: e167-169; Letter to Editor

300. Mavrogeni S, Bratis K, Papachristou P, Giannakopoulou E, Karanasios E, Kolovou G, Wijk K van, Hautemann D, Reiber JH, Papadopoulou G.

Stress perfusion-fibrosis cardiac magnetic resonance detects early heart involvement in young asymptomatic, homozygous familial hyperlipidemia with normal routine non-invasive evaluation.

Int J Cardiol 2013; doi.org/10.1016/j.ijcardiol.2013.06.074

301. Mavrogeni S, Bratis K, Sfikakis PP

Pleuro-pericarditis, vasculitis, subendocardial and nodular biventricular fibrosis. The multiple faces of systemic sclerosis detected by cardiac magnetic resonance in the same patient.

Int J Cardiol 2013; 163: e26-27; Letter to Editor

302. Mavrogeni S, Sfikakis PP, Gialafos E, Karabela G, Stavropoulos E, Sfindouraki E, Panopoulos S, Kolovou G, Kitas GD.

Diffuse, subendocardial vasculitis. A new entity identified by cardiovascular magnetic resonance and its clinical implications.

Int J Cardiol 2013; Letters to the Editor.

303. Mavrogeni S, Bratis K, Wijk K van, Kyrou L, Kattamis A, Reiber JH.

The reproducibility of cardiac and liver T2* measurement in Thalassemia major using two different software packages.

Int J Cardiovasc Imaging 2013; 29: 1511-1516

304. Herold C, Ueberreiter K, Busche MN, Vogt PM

Autologous fat transplantation: volumetric tools for estimation of volume survival. A systematic review.

Aesth Plast Surg 2013; 37: 380-387

305. Neilan TG, Coelho-Filho AR, Danik SB, Shah RV, Dodson JA, Verdini DJ, Tokuda M, Daly CA, Tedrow UB, Stevenson WG, Jerosch-Herold M, Ghoshhajra BB, Kwong RY
CMR quantification of myocardial scar provides additive prognostic information in nonischemic cardiomyopathy.

J Am Coll Cardiol Img 2013; 6: 944-954

306. Kröner ESJ, Scholte AJHA, Koning PJH de, Boogaard PJ van den, Kroft LJM, Geest RJ van der, Hilhorst-Hofstee Y, Lamb HJ, Siebelink H-MJ, Mulder BJM, Groenink M, Radonic T, Wall EE van der, Roos A de, Reiber JHC, Westenberg JJM

MRI-assessed regional pulse wave velocity for predicting absence of regional aorta luminal growth in marfan syndrome

Int J Cardiol 2013; 167: 2977-2982

- 306. Rigsby CK, Hilpipre N, McNeal GR, Zhang G, Boylan EE, Popescu AR, Choi G, Greiser A, Deng J**
Analysis of an automated background correction method for cardiovascular MR phase contrast imaging in children and young adults.
Pediatr Radiol 2013; DOI 10.1007/s00247-013-2830-y
- 307. Jonker JT, Mol P de, Vries ST de, Widya RL, Hammer S, Schinkel LD van, Meer RW van der, Gans ROB, Webb AG, Kan HE, Koning EJP de, Bilo HJG, Lamb HJ**
Exercise and Type 2 diabetes mellitus: changes in tissue-specific fat distribution nad cardiac function.
Radiology 2013; 269(2): 434-442.
- 308. Rossi A, Dharampal A, Wragg A, Davies LC, Geuns RJ van, Anagnostopoulos C, Klotz E, Kitslaar P, Broersen A, Mathur A, Nieman K, Hunink MGM, Feyter PJ de, Petersen SE, Pugliese F.**
Diagnostic performance of hyperaemic myocardial blood flow index obtained by dynamic computed tomography: does it predict functionally significant coronary lesions?
Eur Heart J – Cardiovasc Imaging 2014; doi:10.1093/ehjci/jet133
- 309. Neilan TG, Mongeon F-P, Shah RV, Coelho-Filho O, Abbasi SA, Dodson JA, McMullan CJ, Heydari B, Michaud GF, John RM, Blankstein R, Jerosch-Herold M, Kwong RY.**
Myocardial extracellular volume expansion and the risk of recurrent atrial fibrillation after pulmonary vein isolation.
J Am Coll Cardiol Img 2014; 7: 1-11.
- 310. Malliaras K, Makkar RR, Smith RR, Cheng K, Wu E, Bonow RO, Marban L, Mendizabal A, Cingolani E, Johnston PV, Gerstenblith G, Schuleri KH, Lardo AC, Marban E.**
Intracoronary cardiosphere-derived cells after myocardial infarction. Evidence of therapeutic regeneration in the final 1-year results of the CADUCEUS Trial (CARDiosphere-Derived aUTologous stem Cells to reverse ventricUlar dysfunction)
J Am Coll Cardiol 2014; 63: 110-122.
- 311. Neilan TG, Shah RV, Abbasi SA, Farhad H, Groarke JD, Dodson JA, Coleho-Filho O, McMullan CJ, Heydari B, Michaud GF, John RM, Geest R van der, Steigner ML, Blankstein R, Jerosch-Herold M, Kwong RY**
The incidence, pattern and prognostic value of left ventricular myocardial scar by late gadolinium enhancement in patients with atrial fibrillation.
J Am Coll Cardiol 2013; 62: 2205-2214.
- 312. Mahfoud F, Urban D, Teller D, Linz D, Stawowy P, Hassel J-H, Fries P, Dreyse S, Wellnhofer E, Schneider G, Buecker A, Schneeweis C, Doltra A, Schlaich MP, Esler MD, Fleck E, Böhm M, Kelle S.**
Effect of renal denervation on left ventricular mass and function in patients with resistant hypertension: data from a multi-centre cardiovascular magnetic resonance imaging trial.

- Eur Heart J* 2014; doi:10.1093/eurheartj/ehu093
- 313. Burt JR, Zimmerman SL, Kamel IR, Halushka M, Bluemke DA**
Myocardial T1 mapping: Techniques and potential applications.
RadioGraphics 2014; 34: 377-395.
- 314. Whitman IR, Patel VV, Soliman EZ, Bluemke DA, Praestgaard A, Jain A, Herrington D, Lima JAC, Kawut SM**
Validity of surface electrocardiogram criteria for right ventricular hypertrophy. The MESA-RV Study (Multi-Ethnic Study of Atherosclerosis-Right Ventricle)
J Am Coll Cardiol 2014; 63: 672-681.
- 316. Fairbairn TA, Motwani M, Mather AN, Biglands JD, Larghat AM, Radjenovic A, Greenwood JP, Plein S.**
Cardiac MR imaging to measure myocardial blood flow response to the cold pressor test in healthy smokers and nonsmokers
Radiology 2014; 270; 82-90
- 317. Kröner ESJ, Lamb HJ, Siebelink H-MJ, Putter H, Geest RJ van der, Wall EE van der, Roos A de, Westenberg JJM.**
Coupling of vessel wall morphology and function in the aorta and the carotid artery: an evaluation with MRI.
Int J Cardiovasc Imaging 2014; 30: 91-98
- 318. Jonker JT, Snel M, Hammer S, Jazet IM, Meer RW van der, Pijl H, Meinders AE, Roos A de, Smit JWA, Romijn JA, Lamb HJ**
Sustained cardiac remodelling after a short-term very low calorie diet in type 2 diabetes mellitus patients
Int J Cardiovasc Imaging 2014; 30: 121-127
- 319. Doltra A, Hassel J-H, Messroghli, Schnackenburg B, Stawowy P, Gebker R, Schneeweis C, Berger A, Fleck E, Kelle S.**
Quantification of diffuse myocardial fibrosis in patients with resistant hypertension undergoing renal denervation versus hypertensive controls – preliminary results.
J Cardiovasc Magnetic Resonance 2014; 16 (Suppl 1): O65
- 320. Moghari MH, Komarlu R, Annese D, Geva T, Powell AJ**
Free-breathing steady-state free precession cine cardiac magnetic resonance with respiratory navigator gating
Magn Reson in Medicine 2014: in press
- 321. Dusenbery SM, Jerosch-Herold M, Rickers C, Colan SD, Newburger JW, Powell AJ**
Myocardial extracellular remodeling is associated with ventricular diastolic dysfunction in children and young adults with congenital aortic stenosis.
J Am Coll Cardiol 2014; 63: 1778-85

- 322. Khan JN, Razvi N, Nazir SA, Singh A, Masca NGD, Gershlick AH, Squire I, McCann GP**
Prevalence and extent of infarct and microvascular obstruction following different reperfusion therapies in ST-elevation myocardial infarction
J Cardiovasc Magn Reson 2014, **16**:38 doi:10.1186/1532-429X-16-38
- 323. Shah RV, Heydari B, Coelho-Filho O, Abbasi SA, Feng JH, Neilan TG, Francis S, Blankstein R, Steigner M, Jerosch-Herold M, Kwong RY**
Vasodilator stress perfusion CMR imaging is feasible and prognostic in obese patients.
J Am Coll Cardiol Img 2014; **7**: 462-72
- 324. Pizarro G, Fernandez-Friera L, Fuster V, Fernandez-Jimenez R, Garcia-Ruiz JM, Garcia-Alvarez A, Mateos A, Barreiro MV, Escalera N, Rodriguez MD, Miguel A de, Garcia-Lunar I, Parra-Fuertes JJ, Sanchez-Gonzalez J, Pardillos L, Nieto B, Jimenez A, Abejon R, Bastante T, Martinez de Vega V, Cabrera JA, Lopez-Melgar B, Guzman G, Garcia-Prieto J, Mirelis JG, Zamorano JL, Albarran A, Goicolea J, Escaned J, Pocock S, Iniguez A, Fernandez-Ortiz A, Sanchez-Brunete V, Macaya C, Ibanez B**
Long-term benefit of early pre-perfusion metoprolol administration in patients with acute myocardial infarction. Results from the METOCARD_CNIC Trial (Effect of Metoprolol in Cardioprotection During an Acute Myocardial Infarction).
J Am Coll Cardiol 2014; **63**: 2356-62.
- 325. Schelbert EB, Fonarow GC, Bonow RO, Butler J, Gheorghiade M**
Therapeutic targets in heart failure. Refocusing on the myocardial interstitium.
J Am Coll Cardiol 2014; **63**: 2188-98.
- 326. McKeag NA, McKinley MC, Harbinson MT, Noad RL, Dixon LH, McGinty A, Neville CE, Woodside JV, McKeown PP.**
The effect of multiple microbutrient supplementation on left ventricular ejection fraction in patients with chronic stable heart failure.
J Am Coll Cardiol HF 2014; **2**: 308-317
- 327. Robbers LFHJ, Nijveldt R, Beek AM, Hirsch A, Laan AM van der, Delewi R, Vleuten PA van der, Tio RA, Tijssen JGP, Hofman MBM, Piek JJ, Zijlstra F, Rossum AC van, for the HEBE investigators**
Cell therapy in reperfused acute myocardial infarction does not improve the recovery of perfusion in the infarcted myocardium: A cardiac MR imaging study.
Radiology 2014; **272**(1): 113-122.
- 328. Groarke GD, Waller AH, Vita TS, Michaud GF, Di Carli MF, Blankstein R, Kwong RY, Steigner M.**
Feasibility study of electrocardiographic and respiratory gated, gadolinium enhanced magnetic resonance angiography of pulmonary veins and the impact of heart rate and rhythm on study quality.
J Cardiovasc Magn Reson 2014, **16**: 43 (<http://jcmr-online.com/content/16/1/43>)

329. **Habibi M, Chatal H, Opdahl A, Gjesdal O, Helle-Valle TM, Heckbert SR, McClelland R, Wu C, Shea S, Hundley G, Bluemke DA, Lima JAC**
Association of CMR-measured LA function with heart failure development. Results from the MESA Study
J Am Coll Cardiol Img 2014; 7: 570-9
330. **Roest GJ de, Wu L, Cock CC de, Hendriks ML, Delnoy PPHM, Rossum AC van, Allaart CP.**
Scar tissue-guided left ventricular lead placement for cardiac resynchronization therapy in patients with ischemic cardiomyopathy: an acute pressure-volume loop study
Am Heart J 2014; 167: 537-45.
331. **Mateos A, Garcia-Lunar I, Garcia-Ruiz JM, Pizarro G, Fernandez-Jimenez R, Huertas P, Garcia-Alvarez A, Fernandez-Friera L, Bravo J, Flores-Arias J, Barreiro MV, Chayan-Zas L, Corral E, Fuster V, Sanchez-Brunete V, Ibanez B, on behalf of the METOCARD-CNIC Investigators.**
Efficacy and safety of out-of-hospital intravenous metoprolol administration in anterior ST-segment elevation acute myocardial infarction: insights from the METOCARD-CNIC Trial.
Ann Emerg Med; 2014: in press
332. **Heyning CM van de, Magne J, Pierard LA, Bruyere P-L, Davin L, Maeyer C de, Paelinck BP, Vrints CJ, Lancellotti P.**
Late gadolinium enhancement CMR in primary mitral regurgitation.
Eur J Clinical .. 2014; in press
333. **Driessen MMP, Baggen VJM, Freling HG, Pieper PG, Dijk AP van, Doevendans PA, Snijder RJ, Post MC, Meijboom FJ, Sieswerda GTj, Liener T, Willems TP.**
Pressure overloaded right ventricles: a multicenter study on the importance of trabeculae in RV function measured by CMR.
Int J Cardiovasc Imaging 2014; 30: 599-608
334. **Perfetti M, Malatesta G, Alvarez I, Liga R, Barison A, Todiere G, Eletto N, Caterina R De, Lombardi M, Aquaro GD.**
A fast and effective method to assess myocardial hyperemia in acute myocarditis by magnetic resonance.
Int J Cardiovasc Imaging 2014; 30: 629-637.
335. **Staab W, Bergau L, Schuster A, Hinojar R, Dorenkamp M, Obenauer S, Lotz J, Sohns C.**
Detection of intracardiac masses in patients with coronary artery disease using cardiac magnetic resonance imaging : a comparison with transthoracic echocardiography.
Int J Cardiovasc Imaging 2014; 30: 647-657.

- 336. Roolvink V, Rasoul S, Ottenvanger JP, Dambrink J-HE, Lipsic E, Horst ICC van der, Smet B de, Kedhi E, Gosselink ATM, Piek JJ, Sanchez-Brunette V, Ibanez B, Fuster V, Hof AWJ van 't, the EARLY-BAMI investigators**
Rationale and design of a double-blind, multi-center, randomized, placebo-controlled clinical trial of early administration of intravenous β -blockers in patients with ST-elevation myocardial infarction before primary percutaneous coronary intervention: EARLY β -blocker Administration before primary PCI in patients with ST-elevation Myocardial Infarction trial.
Am Heart J 2014; 0:1-6 (in press).
- 337. Smith BM, Dorfman AL, Yu S, Russell MW, Agarwal PP, Ghadimi Mahani MG, Lu JC.**
Relation of strain by feature tracking and clinical outcome in children, adolescents, and young adults with hypertrophic cardiomyopathy.
Am J Cardiol 2014, in press
- 338. Piers SRD, Tao Q, Riva Silva M de, Siebelink H-M, Schalij MJ, Geest RJ van der, Zeppenfeld K.**
CMR-based identification of critical isthmus sites of ischemic and nonischemic ventricular tachycardia.
J Am Coll Cardiol Img 2014; 7: 774-784.
- 339. Mahfoud F, Urban D, Teller D, Linz D, Stawowy P, Hassel J-H, Fries P, Dreyse S, Wellnhofer E, Schneider G, Buecker A, Schneeweis C, Doltra A, Schlaich MP, Esler MD, Fleck E, Böhm M, Kelle S.**
Effect of renal denervation on left ventricular mass and function in patients with resistant hypertension: data from a multi-centre cardiovascular magnetic resonance imaging trial.
Eur Heart J 2014; 35: 2224-2231.
- 340. High-sensitivity troponin I concentrations are a marker of an advanced hypertrophic response and adverse outcomes in patients with aortic stenosis**
Chin CWL, Shah ASV, McAllister DA, Cowell SJ, Alam S, Langrish JP, Strachan FE, Hunter AL, Choy AM, Lang CC, Walker S, Boon NA, Newby DE, Mills NL, nDweck MR
Eur Heart J 2014; 35: 2312-2321
- 341. Crawford T, Mueller G, Sarsam S, Prasitdumrong H, Chaiyen N, Gu X, Schuller J, Kron J, Nour K, Cheng A, Yong Ji S, Feinstein S, Gupta S, Lig K, Sinno M, Abu-Hashish S, Al-Mallah M, Sauer W, Ellenbogen K, Morady F, Bogun F**
Magnetic resonance imaging for identifying patients with cardiac sarcoidosis and preserved or mildly reduced left ventricular function at risk of ventricular arrhythmias.
AHA Journal 2014 (abstract)
- 342. Park J, Chang H-J, Choi J-H, Yang P-S, Lee S-E, Heo R, Shin S, Cho I-J, Kim Y-J, Shim CY, Hong G-R, Chung N**

- Late gadolinium enhancement in cardiac MRI in patients with severe aortic stenosis and preserved left ventricular systolic function is related to attenuated improvement of left ventricular geometry and filling pressure after aortic valve replacement.
Korean Circ J 2014; 44(5): 312-319.
- 343. Lu JC, Christensen JT, Yu S, Donohue JE, Mahani MG, Agarwal PP, Dorfman AL.**
Relation of right ventricular mass and volume to functional health status in repaired Tetralogy of Fallot.
Am J Cardiol 2014; doi: 10.1016/j.amjcard.2014.09.027
- 344. Ripley DP, Negrou K, Oliver JJ, Worthy G, Struthers AD, Plein S, Greenwood JP**
Aortic remodeling following the treatment and regression of hypertensive left ventricular hypertrophy: a cardiovascular magnetic resonance study.
Clin and Exper Hypertension 2014; doi: 10.3109/10641963.2014.960974
- 345. Stubenvoll A, Rice M, Wietelmann A, Wheeler M, Braun Th**
Attenuation of Wnt/ β -catenin activity reserves enhanced generation of cardiomyocytes and cardiac defects caused by the loss of emerin.
Human Molecular Genetics 2014; doi 10.1093/hmg/ddu498
- 346. Farber NJ, Reddy ST, Doyle M, Rayarao G, Thompson DV, Olson P, Glass J, Williams RB, Yamrozik JA, Murali S, Biederman WW**
Ex vivo cardiovascular magnetic resonance measurements of right and left ventricular mass compared with direct mass measurement in excised hearts after transplantation: a first human SSFP comparison
J Cardiovasc Magn Reson 2014; 16: 74-83
- 347. Ashrith G, Gupta D, Hanmer J, Weiss RM**
Cardiovascular magnetic resonance characterization of left ventricular non-compaction provides independent prognostic information in patients with incident heart failure or suspected cardiomyopathy.
J Cardiovasc Magn Reson 2014; 16: 64-74
- 348. Alonso P, Andrés A, Rueda F, Igual B et al**
Value of the electrocardiogram as a predictor of right ventricular dysfunction inpatients with chronic right ventricular volume overload
Res Esp Cardiol 2014;
- 349. Yi CJ, Yang E, Lai S, Gai N, Liu C, Liu S, Zimmerman SL, Lima JAC, Bluemke DA**
Progression of diffuse myocardial fibrosis assessed by cardiac magnetic resonance T1 mapping.
Int J Cardiovasc Imaging 2014; 30: 1339-1346
- 350. Banka P, Schaetzle B, Komarlu R, Emani S, Geva T, Powell AJ**

- Cardiovascular magnetic resonance parameters associated with early transplant-free survival in children with small left hearts following conversion from a univentricular to biventricular circulation
J Cardiovasc Magn Reson 2014; 16:73
- 351. Duppen N, Kapusta L, Rijke YB de, Kuipers IM, Koopman LP, Blank AC, Blom NA, Dulfer K, Utens EMWJ, Hopman MTE, Helbing WA**
The effect of exercise training on cardiac remodelling in children and young adults with corrected tetralogy of Fallot or Fontan circulation: A randomized controlled trial.
Int J Cardiol; Oct 22, 2014
- 352. Pellicori P, Zhang J, Lukaschuk E, Joseph AC, Bourantas CV, Loh H, Bragadeesh T, Clark AL, Cleland JGF**
Left atrial function measured by cardiac magnetic resonance imaging in patients with heart failure: clinical associations and prognostic value
Eur Heart J 2014; on-line Oct 22, 2014
- 353. Mesubi O, Ego-Osuala K, Jeudy J, Purtilo J, Synowski S, Abutaleb A, Niekoop M, Abdulghani M, Asoglu R, See V, Saliaris A, Shorofsky S, Dickfeld T.**
Differences in quantitative assessment of myocardial scar and gray zone by LGE-CMR imaging using established gray zone protocols.
Int J Cardiovasc Imaging 2015; 31: 359-368
- 354. Zhang Y, Corona-Villalobos CP, Kiani AN, Eng J, Kamel IR, Zimmerman SL, Petri M**
Myocardial T2 mapping by cardiovascular magnetic resonance reveals subclinical myocardial inflammation in patients with systemic lupus erythematosus
Int J Cardiovasc Imaging 2014: DOI 10.1007/s10554-014-0560-3
- 355. Gruner C, Chan RH, Crean A, Rakowski H, Rowin EJ, Care M, Deva D, Williams L, Appelbaum E, Gibson CM, Lesser JR, Haas TS, Udelson JE, Manning WJ, Siminovitch K, Ralph-Edwards AC, Rastegar H, Maron BJ, Maron MS.**
Significance of left ventricular apical-basal muscle bundle identified by cardiovascular magnetic resonance imaging in patients with hypertrophic cardiomyopathy
Eur Heart J 2014; 35: 2706-2713
- 356. Kowallick JT, Kutty S, Edelmann F, Chiribiri A, Villa A, Steinmetz M, Sohns JM, Staab W, Bettencourt N, Unterberg-Buchwald C, Hasenfuss G, Lotz J, Schuster A**
Quantification of left atrial strain and strain rate using cardiovascular magnetic resonance myocardial feature tracking: a feasibility study.
J Cardiovasc Magn Reson 2014; 16: 60
- 357. Tao Q, Lamb HJ, Zeppenveld K, Geest RJ van der**
Myocardial scar identification based on analysis of Look-Locker and 3D late gadolinium enhanced MRI
Int J Cardiovasc Imaging 2014; 30: 925-934

- 358. Varga-Szemes A, Simor T, Lenkey Z, Geest RJ van der, Kirschner R, Toth L, Brott BC, Elgavish A, Elgavish GA**
Infarct density distribution by MRI in the porcine model of acute and chronic myocardial infarction as a potential method transferable to the clinic.
Int J Cardiovasc Imaging 2014; 30: 937-948
- 359. Bratis K, Child N, Terrovitis J, Nanas J, Felekos I, Aggeli C, Stefanadis C, Mastorakos G, Chiribiri A, Nagel E, Mavrogeni S**
Coronary microvascular dysfunction in overt diabetic cardiomyopathy
IJC Metabolic & Endocrine 2014;
- 360. Kawut SM, Poor HD, Parikh MA, Hueper K, Smith BM, Bleumke DA, Lima JAC, Prince MR, Hoffman EA, Austin JHM, Vogel-Claussen J, Barr RG**
Cor Pulmonale Parvus in chronic obstructive pulmonary disease and emphysema. The MESA COPD Study.
J Am Coll Cardiol 2014; 64: 2000-2009
- 361. Kawut SM, Poor HD, Parikh MA, Hueper K, Smith BM, Bluemke DA, Lima JAC, Prince MR, Hoffman EA, Austin JHM, Vogel-Claussen J, Barr RG**
Cor Pulmonale Parvus in chronic obstructive pulmonary disease and emphysema. The MESA COPD Study.
J Am Coll Cardiol 2014; 64: 2000-2009.
- 362. Kowallick JT, Lamata P, Hussain ST, Kutty S, Steinmetz M, Sohns JM, Fasshauer M, Staab W, Unterberg-Buchwald C, Bigalke B, Lotz J, Hasenfuss G, Schuster A.**
Quantification of left ventricular torsion and diastolic recoil using cardiovascular magnetic resonance myocardial feature tracking.
PLOS ONE, 2014; e109164
- 363. Rastegar N, Zimmerman SL, te Riele ASJM, James C, Burt JR, Bhonsale A, Murray B, Tichnell C, Judge D, Calkins H, Tandri H, Bluemke DA, Kamel IR**
Spectrum of biventricular involvement on CMR among carriers of ARVD/C-associated mutations.
JACC Cardiovasc Imaging 2014; Letter to the Editor
- 364. Bratis K, Chiribiri A, Hussain T, Krasemann T, Henningson M, Phinikaridou A, Mavrogeni S, Botnar R, Nagel E, Razavi R, Greil G.**
Abnormal myocardial perfusion in Kawasaki disease convalescence.
JACC Cardiovasc Imaging 2014; Letter to the Editor
- 363. Iwamoto Y, Inage A, Tomlinson G, Lee KJ, Grosse-Wortmann L, Seed M, Wan A, Yoo S-J**
Direct measurement of aortic regurgitation with phase-contrast magnetic resonance is inaccurate: proposal of an alternative method of quantitation.

Pediatr Radiol 2014; 44: 1358-1369

- 364. Handayani A, Triadyaksa P, Dijkstra H, ; Pelgrim GJ, Ooijen P van, Prakken NHJ, Schoepf UJ, Oudkerk M, Vliegthart R, Sijens PE.**
Intermodel Agreement of Myocardial Blood Flow Estimation From Stress-Rest Myocardial Perfusion Magnetic Resonance Imaging in Patients With Coronary Artery Disease.
Invest Radiology 2014; doi: 10.1097/RLI.0000000000000114
- 365. Kutty S, Li L, Danford DA, Houle H, Datta S, Mancina J, Xiao Y, Pedrizzetti G, Porter ThR**
Effects of right ventricular hemodynamic burden on intraventricular flow in Tetralogy of Fallot: an echocardiographic contrast particle imaging velocimetry study.
J Am Soc Echocardiogr 2014; 27: 1311-1318
- 366. Imai M, Venkatesh BA, Samiei S, Donekal S, Habbi M, Armstrong AC, Heckert SR, Wu CO, Bluemke DA, Lima JC**
Multi-Ethnic Study of Atherosclerosis: association between left atrial function using tissue tracking from cine MR imaging and myocardial fibrosis.
Radiology 2014; 273(3): 703-713
- 367. Ait-Ali L, Siciliano V, Passino C, Molinaro S, Pasanisi E, Sicari R, Pingitore A, Festa P**
Role of stress echocardiography in operated Fallot: feasibility and detection of right ventricular response.
J Am Soc Echocardiogr 2014; 27: 1319-1328
- 368. Watanabe E, Abbasi SA, Heydari B, Coelho-Filho OR, Shah R, Neilan TG, Murthy VL, Mongeon F-R, Barbhuiya C, Jerosch-Herold M, Blankstein R, Hatabu H, Geest RJ van der, Stevenson WG, Kwong RY**
Infarct tissue heterogeneity by contrast-enhanced magnetic resonance imaging is a novel predictor of mortality in patients with chronic coronary artery disease and left ventricular dysfunction.
Circ Cardiovascular Imaging 2014; 7: 887-894
- 369. Aelst LN van, Voss S, Carai P, Leeuwen R van, Vanhoutte D, Sanders-van Wijk S, Eurlings L, Swinnen M, Verheyen FA, Verbeken EK, Nef H, Troidl C, Cook SA, Brunner-La Rocca H-P, Moelmann H, Papageorgiou A-P, Heymans S**
Osteoglycin Prevents Cardiac Dilatation and Dysfunction After Myocardial Infarction Through Infarct Collagen Strengthening
Circ Research 2014; doi: 10.1161/CIRCRESAHA.116.304599
- 370. Ashrith G, Gupta D, Hanmer J, Weiss RM**
Cardiovascular magnetic resonance characterization of left ventricular non-compaction provides independent prognostic information in patients with incident heart failure or suspected cardiomyopathy
J Cardiovasc Magn Reson 2014; 16: 64-73

- 371. Park E-A, Lee W, Kim H-K, Chung JW**
 Effect of papillary muscles and trabeculae on left ventricular measurement using cardiovascular magnetic resonance imaging in patients with hypertrophic cardiomyopathy.
Korean J Radiol 2015; 16(1): doi.org/10.3348/kjr.2015.16.1.4
- 372. Lehtinen M, Pättilä T, Kankuri E, Lauerma K, Sinisalo J, Laine M, Kupari M, Vento A, Harjula A, Hämmäinen P, Holmström M, Schildt J, Ahonen A, Nikkinen P, Nihtinen A, Alitalo R, Pöyhiä R.**
 Intramyocardial Bone Marrow Mononuclear Cell Transplantation In Ischemic Heart Failure – Long-Term Follow-Up
J Heart and Lung Transpl 2015; DOI: <http://dx.doi.org/10.1016/j.healun.2015.01.989>
- 371. Fernández-Jiménez R, Sánchez-González J, Agüero J, García-Prieto J, López-Martin GJ, García-Ruiz JM, Molina-Iracheta A, Rosselló X, Fernández-Friera L, Pizarro G, García-Álvarez A, Dall'Armellina E, Mavaya C, Choudhury R, Fuster V, Ibáñez B.**
 Myocardial edema after ischemia/reperfusion is not stable and follows a bimodal pattern. Imaging and histological tissue characterization.
J Am Coll Cardiol 2015; 65: 315-323.
- 372. Kuruvilla S, Janardhanan R, Antkowiak P, Keeley EC, Adenaw N, Brooks J, Epstein FH, Kramer CM, Salerno M.**
 Increased extracellular volume and altered mechanics are associated with LVH in hypertensive heart disease, not hypertension alone.
J Am Coll Cardiol Img 2015; 8: 172-180
- 373. Motaal AG, Noorman N, Graaf WL de, Hoerr V, Florack LMJ, Nicolay K, Strijkers GJ**
 Functional imaging of murine hearts using accelerated self-gated UTE cine MRI
Int J Cardiovasc Imaging 2015; 31: 83-94
- 374. Rijniere MT, Allaart CP, Haan S de, Harms HJ, Huisman MC, Wu L, Beek AM, Lammertsma AA, Rossum AC van, Knaapen P.**
 Sympathetic denervation is associated with microvascular dysfunction in non-infarcted myocardium in patients with cardiomyopathy.
Eur Heart J Cardiovasc Imaging 2015: doi.org/10.1093/ehjci/jev013
- 375. Hösch O, Ngyen T-T, Lauerer P, Schuster A, Kutty S, Staab S, Unterberg-Buchwald C, Sohns JM, Paul T, Lotz J, Steinmetz M**
 BNP and haematological parameters are markers of severity of Ebstein's anomaly: correlation with CMR and cardiopulmonary exercise testing
Eur Heart J Cardiovasc Imaging 2015; doi/10.1093/ehjci/jev312
- 376. Cochet H, Mouries A, Nivet H, Sacher F, Derval N, Denis A, Merle M, Relan J, Hocini M, Haïsaaguerre M, Laurent F, Montaudon M, Jaïs P.**

Age, atrial fibrillation and structural heart disease are the main determinants of left atrial fibrosis detected by delayed-enhanced magnetic resonance imaging in a general cardiology population.

J Cardiovasc Electrophysiology 2015; wiley.com/doi/10.1111 (ISSN)1540-8167

- 377. Ahmed W, Graaf MA de, Broersen A, Kitslaar PH, Oost E, Dijkstra J, Bax JJ, Reiber JHC, Scholte AJ**
Automatic detection and quantification of the Agatston coronary artery calcium score on contrast computed tomography angiography
Int J Cardiovasc Imaging 2105; 31: 151-161
- 378. Biesemann N, Mendler L, Kostin S, Wietelmann A, Borchardt Th, Braun Th**
Myostatin induces interstitial fibrosis in the heart via TAK1 and p38.
Cell and Tissue Research 2015.
- 379. Gohbara M, Iwahashi N, Kataoka S, Hayakawa Y, Sakamaki K, Akiyama E, Maejima N, Tsukahara K, Hibi K, Kosuge M, Ebina T, Umemura S, Kimura K.**
Glycemic variability determined by continuous glucose monitoring system predicts left ventricular remodeling in patients with a first ST-segment elevation myocardial infarction.
Circ J 2015; doi:10.1253/circj.CJ-14-1226.
- 380. Clerfond G, Biere L, Mateus V, Grall S, Willoteaux S, Prunier F, Furber A**
End-systolic wall stress predicts post-discharge heart failure after acute myocardial infarction
Archives of Cardiovasc Diseases 2015; 108: 310-320
- 381. Wu Y, Jiang K, Zhang N, Gao Y, Chen Y, Zheng H, Liu X, Chung Y-C**
Efficient method for analyzing MR real-time cines: towards accurate quantification of left ventricular function.
J Magn Reson Im 2015; doi:10.1002/jmri.24869
- 382. Oh S-J, Park E-A, Lee W, Hwang H-Y, Kim K-B**
Improved wall motion of late gadolinium-enhanced myocardium after complete surgical revascularization.
Annals Thoracic Surgery 2015; doi.org/10.1016/j.athoracsur.2014.12.065
- 383. Lörchner H, Pöling J, Gajawada P, Hou Y, Polyakova V, Kostin S, Adrian-Segarra JM, Boettger T, Wietelmann A, Warnecke H, Richter M, Kubin Th, Braun Th**
Myocardial healing requires Reg3 β -dependent accumulation of macrophages in the ischemic heart.
Nature Medicine 2015; doi:10.1038/nm.3816
- 381. Lehtinen M, Schildt J, Ahonen A, Nikkinen P, Lauerma K, Sinisalo J, Kankuri E, Vento A, Pátílá T, Harjula A**
Combining FDG-PET and 99mTc-SPECT to predict functional outcome after coronary artery nypass surgery

- Eur Heart J-Cardiovasc Imaging 2015: doi.org/10.1093/ehjci/jev032*
- 382. Etoom Y, Govindapillai S, Hamilton R, Manhiot C, Yoo S-J, Farhan M, Sarikouch S, Peters B, McCrindle BW, Grosse-Wortmann L.**
Importance of CMR within the Task Force Criteria for the diagnosis of ARVC in children and adolescents
J Am Coll Cardiol 2015; 65: 987-995.
- 383. Pellicori P, Zhang J, Lukaschuk E, Joseph AC, Bourantas CV, Loh H, Bragadeesh T, Clark AL, Cleland JGF**
Left atrial function measured by cardiac magnetic resonance imaging in patients with heart failure: clinical associations and prognostic value.
Eur Heart J 2015; 36: 733-742
- 384. Sohns JM, Rosenberg C, Zapf A, Unterberg-Buchwald C, Staab W, Schuster A, Kowallick JT, Nguyen T-T, Fasshauer M, Paul Th, Lotz J, Steinmetz M**
Right atrial volume is increased in corrected tetralogy of Fallot and correlates with the incidence of supraventricular arrhythmia: a CMR Study
Pediatric Cardiology 2015;
- 385. Liu C-Y, Chen D, Bluemke DA, Wu CO, Teixido-Tura G, Chugh A, Vasu S, Lima JAC, Hundley WG**
Evolution of aortic wall thickness and stiffness with atherosclerosis. Long-term follow-up from the Multi-Ethnic Study of Atherosclerosis.
Hypertension 2015;
- 386. Tajima Y, Suzuki E, Saito J, Murase H, Horikawa Y, Takeda J**
Elevated plasma B-type natriuretic peptide concentration and resistive index, but not decreased aortic distensibility, associate with impaired blood flow at popliteal artery in type 2 diabetic patients
Endocrine journal 2015: doi:10.1507/endocrj.EJ14-0608
- 387. Choi H-M, Kim K-H, Lee J-M, Yoon Y-E, Lee S-P, Park E-A, Lee W, Kim Y-J, Cho G-Y, Sohn D-W, Kim H-K**
Myocardial fibrosis progression on cardiac magnetic resonance in hypertrophic cardiomyopathy.
Heart 2015: doi:10.1136/heartjnl-2014-306555
- 388. Kahl KG, Schweiger U, Pars K, Kunikowska A, Deuschle M, Gutberlet M, Lichtinghagen R, Bleich S, Hüper K, Hartung D**
Adrenal gland volume, intra-abdominal and pericardial adipose tissue in major depressive disorder.
Psychoneuroendocrinology 2015; 58: 1-8.
- 389. Inoue YY, Alissa A, Khurram IM, Fukumoto K, Habibi M, Venkatesh BA, Zimmerman SL, Nazarian S, Berger RD, Calkins H, Lima JA, Ashikaga H.**

- Quantitative Tissue-Tracking Cardiac Magnetic Resonance (CMR) of Left Atrial deformation and the Risk of Stroke in Patients With Atrial Fibrillation
J Am Heart Assoc. 2015;4:e001844 doi: 10.1161/JAHA.115.001844
- 390. Gorter TM, Melle JP van, Freling HG, Ebels T, Bartelds B, Pieper PG, Berger RMF, Veldhuisen DJ van, Willems TP**
Pulmonary regurgitant volume is superior to fraction using background-corrected phase contrast MRI in determining the severity of regurgitation in repaired tetralogy of Fallot.
Int J Cardiovasc Imaging 2015;31: 1169-1177
- 391. Cruz FM, Sanz-Rosa D, Roche-Molina M, Garcia-Prieto J, Garcia-Ruiz JM, Pizarro G, Jiménez-Borreguero LJ, Torres M, Bernad A, Ruiz-Cabello J, Fuster V, Ibáñez B.**
Exercise triggers ARVC phenotype in mice expressing a disease-causing mutated version of human Plakophilin-2.
J Am Coll Cardiol 2015; 65: 1438-1450.
- 392. Neilan TG, Farhad H, Mayrhofer T, Shah RV, Dodson JA, Abbasi SA, Danik SB, Verdini DJ, Tokuda M, Tedrow UB, Jerosch-Herold M, Hoffmann U, Ghoshhaja BB, Stevenson WG, Kwong RY**
Late gadolinium enhancement among survivors of sudden cardiac arrest.
J Am Coll Cardiol Img 2015; 8: 414-423
- 393. Malek L, Werys K, Klotowski M, Spiewak M, Milosz-Wieczorek B, Mazurkiewics L, Petryka-Mazurkiewicz J, Marczak M, Witkowski A**
Native T1-mapping for non-contrast assessment of myocardial fibrosis in patients with hypertrophic cardiomyopathy – comparison with late enhancement quantification.
Magn Resonan Imaging 2015: dx.doi.org/10.1016/j.mri.2015.04.001
- 394. Biglands JD, Magee DR, Sourbron SP, Plein S, Greenwood JP, Radjenovic A**
Comparison of the diagnostic performance of four quantitative myocardial perfusion estimation methods used in cardiac MR imaging: CE-MARC Substudy.
Radiology 2015; 275(2): 393-402
- 395. Muniyappa R, Noureldin R, Ouwerkerk R, Liu EY, Madan R, Abel BS, Mullins K, Walter MF, Skarulis MC, Gharib AM**
Myocardial fat accumulation is independent of measures of insulin sensitivity
J Clin Endocrinol Metab, 2015: doi: 10.1210/jc.2015-1139
- 396. Maron BJ, Rowin EJ, Casey SA, Link MS, Lesser JR, Chan RHM, Garberich RF, Udelson JE, Maron MS**
Hypertrophic cardiomyopathy in adulthood associated with low cardiovascular mortality with contemporary management strategies.
J Am Coll Cardiol 2015; 65: 1915: 1928
- 397. Lang SM, Shugh S, Mazur W, Sticka JJ, Ratan MS, Jefferies JL, Taylor MD**

- Myocardial fibrosis and left ventricular dysfunction in Duchenne Muscular Dystrophy carriers using cardiac magnetic resonance imaging.
Pediatric Cardiology 2015
- 398. Kachenoura N, Besson-Hajji L, Graves MJ, Reid S, Soulat G, Ashrafpoor G, De Cesare A, Hagege A, Redheuil A, Mousseaux E.**
Kinetic index combining native and postcontrast myocardial T1 in hypertrophic cardiomyopathy.
J Magn Reson Imaging 2015; doi:10.1002/jmri.24947
- 399. Mewton N, Strauss DG, Rizzi P, Verrier RL, Liu CY, Tereshchenko LG, Nearing B, Volpe GJ, Marchlinski FE, Moxley J, Killian T, Wu KC, Spooner P, Lima JAC**
Screening for cardiac magnetic resonance scar features by 12-lead ECG, in patients with preserved ejection fraction.
Annals of Noninvasive Electrocardiology 2015; doi: 10.1111/anec.12279
- 400. Bravo PE, Luo H-C, Pozios I, Zimmerman SL, Corona-Villalobos CP, Sorensen L, Kamle IR, Bluemke DA, Wahl RL, Abraham MR, Abraham TP**
Late gadolinium enhancement confined to the right ventricular insertion points in hyperrophic cardiomyopathy: an intermediate stage phenotype
Eur Heart J-Cardiovasc Imaging 2015; doi: 10.1093/ehjci/jev154
- 401. San Roman IA, Sanchez PL, Villa A, Sanz-Ruiz R, Fernandez-Santos ME, Gimeno F, Ramos B, Arnold R, Serrador A, Gutierrez H, Martin-Herrero F, Rollan MJ, Fernandez-Vazquez F, Lopez-Messa J, Ancillo P, Perez-Ojeda G, Fernandez-Aviles F.**
Comparison of different bone marrow-derived stem cell approaches in reperfused STEMI. A Multi-center, prospective, randomized, open-labelled TECAM trial.
J Am Coll Cardiol 2015; 65: 2372-2382.
- 402. Zareian M, Ciuffo L, Habibi M, Opdahl A, Chamera EH, Wu CO, Bluemke DA, Lima JAC, Venkatesh BA**
Left atrial structure and functional quantitation using cardiovascular magnetic resonance and multi-modality tissue tracking: validation and reproducibility assessment.
J Cardiovasc Magn Reson 2015; 17: 52
- 403. Quennelle S, Powell AJ, Geva T, Prakash A**
Persistent aortic arch hypoplasia after coarctation treatment is associated with late systemic hypertension.
J Am Heart Assoc 2015; doi:10.1161/JAHA.115.001978
- 404. Duppen N, Etnel JRG, Spaans L, Takken T, Berg-Emons HJ van den, Boersma E, Schokking M, Dulfer K, Utens EMWJ, Helbing WA, Hopman MTE**
Does exercise training improve cardio-pulmonary fitness and daily physical activity in children and young adults with corrected tetralogy of Fallot or Fontan circulation? A randomized controlled trial.
Am Heart J 2015; doi: 10.1016/j.ahj.2015.06.018

- 405. Sakamoto N, Sato N, Talib AK, Sugiyama E, Minoshima A, Tanabe Y, Fujino T, Takeuchi T, Akasaka K, Saijo Y, Kawamura Y, Hasebe N**
Late Gadolinium Enhancement on Cardiac MRI Correlates with QT Dynamicity Represented by QT/RR Relationship in Patients with Ventricular Arrhythmias
Annals of Noninvasive Electrocardiology 2015; DOI: 10.1111/anec.12280
- 406. Khurram IM, Catanzaro JN, Zimmerman S, Zipunnikov V, Berger RD, Cheng A, Sinha S, Dewire J, Marine J, Spragg D, Ashikaga H, Halperin H, Calkins H, Nazarian S.**
MRI evaluation of radiofrequency, cryothermal, and laser left atrial lesion formation in patients with atrial fibrillation.
PACE 2015; doi:10.1111/pace.12696
- 407. Biesbroek PS, Beek AM, Niessen HWM, Rossum AC van**
T1-mapping in a case of acute biopsy-proven myocarditis with an apparently normal CMR: 'times are a-changing'
Eur Heart Journal on-line 2015;
- 408. Ghelani SJ, Harrild DM, Gauvreau K, Geva T, Rathod RH**
Comparison between echocardiography and cardiac magnetic resonance imaging in predicting transplant-free survival after the Fontan operation.
Am J Cardiol 2015; doi: 10.1016/j.amjcard.2015.07.011
- 409. Baggen VJM, Driessen MMP, Meijboom FJ, Sieswerda GTj, Jansen NJG, Wijk SWH van, Doevendans PA, Leiner T, Schoof PH, Takken T, Breur JMPJ**
Main pulmonary artery area limits exercise capacity in patients long-term after arterial switch operation.
J Thorac Cardiovasc Surg 2015; 150: 918-25
- 410. Riesenkampff E, Chen C, Kantor P, Greenway S, Chaturvedi RR, Yoo S-J, Greiser A, Dipchand AI, Grosse-Wortmann L.**
Diffuse myocardial fibrosis in children after heart transplantations: a magnetic resonance T1 mapping study
Transplantation 2015; doi:10.1097/TP.0000000000000769
- 411. Rastegar N, Zimmerman SL, Riele ASJM te, James C, Burt JR, Bhonsale A, Murray B, Tichnell C, Judge D, Calkins H, Tandri H, Bluemke DA, Kamel IR**
Spectrum of biventricular involvement on CMR among carriers of ARVD/C-associated mutations. Letter to the Editor.
J Am Coll Cardiol – Cardiovasc Imaging 2015; 8(7): 863-864
- 412. Steggerda RC, Geluk CA, Brouwer W, Rossum AC van, Berg JM ten, Berg MP van den**

- Basal infarct location but not larger infarct size is associated with a successful outcome after alcohol septal ablation in patients with hypertrophic obstructive cardiomyopathy: a cardiovascular magnetic resonance imaging study
Int J Cardiovasc Imaging 2015; 31: 831-839
413. **Jeong D, Schiebler ML, Lai P, Wang K, Vigen KK, Francois CJ**
Single breath hold 3D cardiac cine MRI using kat-ARC: preliminary results at 1.5T
Int J Cardiovasc Imaging 2015; 31: 851-857
414. **Windram JD, Benson LN, Dragelescu A, Yoo S-J, Mertens L, Wong D, Grosse-Wortmann L**
Distribution of hypertrophy and late gadolinium enhancement in children and adolescents with hypertrophic cardiomyopathy
Congenital Heart Disease 2015: doi: 10.1111/chd.12286
415. **Tao Q, Piers SRD, Lamb HJ, Zeppenfeld , Geest RJ van der**
Preprocedural magnetic resonance imaging for image-guided catheter ablation of scar-related ventricular tachycardia
Int J Cardiovasc Imaging 2015; 31: 369-377
416. **Bella GD, Siciliano V, Aquaro GD, Marchi De D, Rovai D, Carerj S, Molinaro S, Lombardi M, Pingitore A**
Right ventricular dysfunction: an independent and incremental predictor of cardiac deaths late after acute myocardial infarction
Int J Cardiovasc Imaging 2015; 31: 379-387
417. **Zhang Y, Corona-Villalobos CP, Kiani AN, Eng J, Kamel IR, Zimmerman SL, Petri M**
Myocardial T2 mapping by cardiovascular magnetic resonance reveals subclinical myocardial inflammation in patients with systemic lupus erythematosus
Int J Cardiovasc Imaging 2015; 31: 389-397
418. **Ribeiro HB, Larose E, de la Paz Ricapito M, Le Ven F, Nombela-Franco L, Urena M, Allende R, Amat-Santos I, Dahou A, Capoulade R, Clavel M-A, Mohammadi S, Paradis J-M, De Larocheilière R, Doyle D, Dumont E, Pibarot P, Rodés-Cabau J.**
Myocardial injury following transcatheter aortic valve implantation: insights from delayed-enhancement cardiovascular magnetic resonance
EuroIntervention 2015; 11: 205-213
419. **Mann I, Rodrigo SF, Ramshorst J van, Beeres SL, Dibbets-Schneider P, Roos A de, Wolterbeek R, Zwaginga JJ, Fibbe WE, Bax JJ, Schalij MJ, Atsma DE**
Repeated intramyocardial bone marrow cell injection in previously responding patients with refractory angina again improves myocardial perfusion, angina complaints and quality of life.
Circulation, cardiovasc interventions; 2015: doi: 10.1161/CIRCINTERVENTIONS.115.002740

- 420. Varga-Szemes A, Muscogiuri G, Schoepf UJ, Wichmann JL, Suranyi P, Cecco CN de, Cannaò PM, Renker M, Mangold S, Fox MA, Ruscics B**
Clinical feasibility of a myocardial signal intensity threshold-based semi-automated cardiac magnetic resonance segmentation method.
Eur Radiol 2015; doi: 10.1007/s00330-015-3952-4
- 421. Ding S, Li Z, Ge H, Qiao Z-Q, Chen Y-L, Andong A-L, Yang F, Kong L-C, Jiang M, He B, Pu J.**
Impact of early ST-segment changes on cardiac magnetic resonance-verified intramyocardial haemorrhage and microvascular obstruction in ST-elevation myocardial infarction patients.
Medicine 2015; 94(35): doi: 10.1097/MD.00000000001438
- 422. Schmuck EG, Koch JM, Hacker TA, Hatt CR, Tomkowiak MT, Vigen KK, Hendren N, Leitzke C, Zhao Y-Q, Li Z, Centanni JM, Hei DJ, Schwahn D, Kim J, Hematti P, Raval AN**
Intravenous followed by X-ray fused with MRI-guided transendocardial mesenchymal stem cell injection improves contractility reserve in a swine model of myocardial infarction.
J Cardiovasc Translational Research 2015.
- 423. Zhou H, Lin X, Ding H, Zhao X, Fang L, Fang Q**
Quantification of compacted myocardial T1 in isolated left ventricular non-compaction and its relation to disease severity: a 3.0 T MR imaging study
J Am Coll Cardiol 2015; 66(16), Suppl S: C256.
- 424. Sun Z, Xie M**
Diagnostic value of transthoracic echocardiography in patients with coarctation of aorta: The Chinese experience in 53 patients studied between 2008 and 2012 in one major medical center.
J Am Coll Cardiol 2015; 66(16), Suppl S: C256.
- 425. McDiarmid AK, Ripley DP, Mohee K, Kozerke S, Greenwood JP, Plein S, Motwani M**
Three-dimensional whole-heart vs. two-dimensional high-resolution perfusion-CMR: a pilot study comparing myocardial ischaemic burden
Eur Heart Cardiovasc Im 2015; DOI: <http://dx.doi.org/10.1093/ehjci/jev231> jev231 First published online: 8 October 2015
- 426. Pöyhönen P, Hiippala A, Ollila L, Kaasalainen T, Hänninen H, Heliö T, Tallila J, Vasilescu C, Kivistö S, Ojala T, Holmström M**
Cardiovascular magnetic resonance findings in patients with *PRKAG2* gene mutations
J Cardiovasc Magn Reson 2015; 17: 89; doi: 10.1186/s12968-015-0192-3
- 427. Valle-Caballero MJ, Fernández-Jiménez R, Diaz-Munoz R, Mateos A, Rodríguez-Alvarez M, Iglesias-Vázquez JA, Saborido C, Navarro C, Domínguez ML, Gorión L, Fontoira JC, Fuster V, García-rubira JC, Ibanez B**

- QRS distortion in pre-reperfusion electrocardiogram is a bedside predictor of large myocardium at risk and infarct size (a METOCARD-CNIC trial substudy).
Int J Cardiol 2016, 202: 666-673
- 428. Schmuck EG, Koch JM, Hacker TA, Hatt CR, Tomkowiak MT, Vigen KK, Hendren N, Leitzke C, Zhao Y-Q, Li Z, Centanni JM, Hei DJ, Schwahn D, Kim J, Hematti P, Raval AN**
Intravenous followed by X-ray fused with MRI-guided transendocardial mesenchymal stem cell injection improves contractility reserve in a swine model of myocardial infarction.
J of Cardiovasc Trans Res 2015; doi: 10.1007/s12265-015-9654-0
- 429. Garg S, Lemos JA de, Ayers C, Khouri MG, Pandey A, Berry JD, Peshok RM, Drazner MH**
Association of a 4-tiered classification of LV hypertrophy with adverse CV outcomes in the general population.
J Am Coll Cardiol Img 2015; *: 1034-41
- 430. Heng G, Song D, Dongaolei A, Zheng L, Hauyan D, Fan Y, Lingcong K, Jianrong X, Jun P, Ben H**
Frame counting improves the assessment of post-reperfusion microvascular patency by TIMI myocardial perfusion grade: evidence from cardiac magnetic resonance imaging.
Int J Cardiology 2015; doi.org/10.1016/ijcard.2015.10.194
- 431. Velde AR van der, Lexis CPH, Meijers WC, Horst IC van der, Lipsic E, Dokter MM, Veldhuizen DJ van, Harst P van der, Boer RA de**
Galectin-3 and sST2 in prediction of left ventricular ejection fraction after myocardial infarction.
Clinica Chimica Acta 2015; on-line available.
- 432. Szelid Z, Lux A, Kolossváry M, Tóth A, Vágó H, Lendvai Z, Kiss L, Maurovich-Horvat P, Bagyura Z, Merkely B**
Right ventricular adaptation is associated with the Glu298Asp variant of the NOS3 gene in Elite Athletes.
Plos One, October 30, 2015
- 433. Joynt MR, Yu S, Dorfman AL, Mahani MG, Agarwal PP, Lu JC**
Differential impact of pulmonary regurgitation on patients with surgically repaired pulmonary stenosis versus Tetralogy of Fallot.
Am J Cardiol 2015; doi.org/10.1016/j.amjcard.2015.10.025
- 434. Chen C-A, Dusenbury SM, Valente AM, Powell AJ, Geva T**
Myocardial ECV fraction assessed by CMR is associated with type of hemodynamic load and arrhythmia in repaired tetralogy of Fallot.
J Am Coll Cardiol Img 2016; 9: 1-10.

435. **Martinez-Sellés M, Pérez-David E, Yotti R, Jiménez-Borreguero J, Loughlin G, Gallego L, Ayesta A, Olivera MJ, Bermejo J, Fernández-Avilés F**
Gender differences in right ventricular function in patients with non-ischaemic cardiomyopathy
Neth Heart J 2015; 23: 578-584
435. **Sirol M, Gzara H, Gayat E, Dautry R, Gellen B, Logeart D, Soyer P, Vicaut E, Mercadier J-J**
Comparison between visual grading and planimetric quantification of microvascular obstruction extent assessment in reperfused acute myocardial infarction.
European Radiology 2015.
435. **Rossello X, Pujadas S, Serra A, Bajo E, Carreras F, Barros A, Cinca J, Pons-Lladó, Vaquerizo B**
Assessment of inducible myocardial ischemia, quality of life and functional status after successful percutaneous revascularization in patients with chronic total coronary occlusion.
The Am J Cardiol 2015
436. **Kahl KG, Kerling A, Tegtbur U, Gützlaff E, Herrmann J, Borchert L, Ates Z, Westhoff-Bleck M, Hueper K, Hartung D.**
Effects of additional exercise training on epicardial, intra-abdominal and subcutaneous adipose tissue in major depressive disorder: a randomized pilot study.
J Affective Disorders 2016; 192: 91-97.
437. **Piers SRD, Everaerts K, Geest RJ van der, Hazebroek MR, Siebelink H-M, Pison LAFG, Schaliq MJ, Bekkers SCAM, Heymans S, Zeppenfeld K**
Myocardial scar predicts monomorphic VT but not polymorphic VT or VT in non-ischemic dilated cardiomyopathy.
Heart Rhythm 2015; 12(10): 2106-14
438. **Khurram IM, Habibi M, Ipek EG, Chrispin J, Yang E, Fukumoto K, Dewire J, Spragg DD, Marine JE, Berger RD, Ashikaga H, Rickard J, Zhang Y, Zipunnikov V, Zimmerman SL, Calkins H, Nazarian S**
Left atrial LGE and arrhythmia recurrence following pulmonary vein isolation for paroxysmal and persistent AF
J Am Coll Cardiol Img 2016; 9: 142-148
439. **McCann GP, Khan JN, Greenwood JP, Nazir S, Dalby M, Curzen N, Hetherington S, Kelly DJ, Blackman DJ, Ring A, Peebles C, Wong J, Sasikaran T, Flather M, Swanton H, gershlick AH**
Complete versus lesion-only primary PCI. The Randomized Cardiovascular MR CvLPRIT Substudy.
J Am Coll Cardiol 2015; 66: 2713-24
440. **Wolff D, Melle JP van, Dijkstra H, Bartelds B, Willems TP, Hillege H, Berg AP van den, Ebels Tj, Sijens PE, Berger RMF**

- The Fontan-circulation and the liver: a magnetic resonance diffusion-weighted imaging study.
Int J Cardiology 2016; 202: 595-600.
441. **Cross R, Olivieri L, O'Brien K, Kellman P, Xue H, Hansen M**
Improved workflow for quantification of left ventricular volumes and mass using free-breathing motion corrected cine imaging
Journal Cardiovascular Magnetic Resonance (2016) 18:10
DOI 10.1186/s12968-016-0231-8
442. **Slikkerveer J, Boer K de, Robbers LFHJ, Rossum AC van, Kamp O**
Evaluation of extracorporeal shock wave therapy for refractory angina pectoris with quantitative analysis using cardiac magnetic resonance imaging: a short communication.
Neth Heart J 2016; 24: 319-315.
443. **Gommans DHF, Bakker J, Cramer GE, Verheugt FWA, Brouwer MA, Kofflard MJM**
Impact of the papillary muscles on cardiac magnetic resonance image analysis of important left ventricular parameters in hypertrophic cardiomyopathy
Neth Heart J 2016; 24: 326-331
444. **Kato A, Drolet C, Yoo S-J, Redington AN, Grosse-Wortmann L**
Vicious circle between progressive right ventricular dilatation and pulmonary regurgitation in patients after tetralogy of Fallot repair? Right heart enlargement promotes flow reversal in the left pulmonary artery.
J Cardiovasc Magn Reson 2016; 18: 34-42
445. **Corona-Villalobos CP, Sorensen LL, Pozios I, Chu L, Eng J, Abraham MR, Abraham TP, Kamel IR, Zimmerman SL**
Left ventricular wall thickness in patients with hypertrophic cardiomyopathy: a comparison between cardiac magnetic resonance imaging and echocardiography
Int J Cardiovasc Imaging 2016; 32: 945-954
446. **White KK, Byrom R, Gierula J, Paton MF, Jamil HA, Lowry JE, Gillott RG, Barnes SA, Chumun H, Kearney LC, Greenwood JP, Plein S, Law GR, Pavitt S, Barth JH, Cubbon RM, Kearney MT**
Effects of Vitamin D on cardiac function in patients with chronic HF. The VINDICATE Study.
J Am Coll Cardiol 2016; 67: 2593-603
447. **Boynton SJ, Geske JB, Dispenzieri A, Syed IS, Hanson TJ, Grogan M, Araoz PA**
LGE provides incremental prognostic information over serum biomarkers in AL cardiac amyloidosis.
J Am Coll Cardiol Img 2016; 9: 680-686

448. **Heydari B, Abdullah S, Pottala JV, Shah R, Abbasi S, Mandry D, Francis SA, Lumish H, Ghoshhajra BB, Hoffmann U, Appelbaum E, Feng JH, Blankstein R, Steigner M, McConnell JP, Harris W, Antman EM, Jerosch-Herold M, Kwong RY.**
Effect of Omega-3 acid ethyl esters on left ventricular remodeling after acute myocardial infarction.
Circulation 2016; 134: 378-391
449. **Rastegar N, Riele ASJM te, James CA, Bronsale A, Murray B, Tichnell C, Calkins H, Tandri H, Bluemke DA, Kamel IR, Zimmerman RL.**
Fibrofatty changes: incidence at cardiac MR imaging in patients with arrhythmogenic right ventricular dysplasia/cardiomyopathy.
Radiology 2016; 280(2): 405-412.
450. **Kuijpers DJ, Prakken NH, Vliegghenthart R, Dijkman PRM van, Harst P van der, Oudkerk M.**
Caffeine intake inverts the effect of adenosine on myocardial perfusion during stress as measured by T1 mapping.
Int J Cardiovasc Imaging 2016;
451. **Riele ASJM te, James CA, Rastegar N, Bhonsale A, Murray B, Tichnell C, Judge DP, Bluemke DA, Zimmerman SL, Kamel IR, Calkins H, Tandri H**
Yield of serial evaluation in at-risk family members of arrhythmogenic right ventricular dysplasia/cardiomyopathy patients.
J Am Coll Cardiol 2014; 64(3): 293-301
452. **Bogackhov A, Ayache JB, Allen BD, Murphy I, Carr ML, Spottiswoode B, Schmidt M, Zenge MO, Nadar MS, Zuehlsdorff S, Freed BH, Carr JC, Collins JD**
Right ventricular assessment at cardiac MRI: initial clinical experience utilizing an IS-SENSE reconstruction.
Int J Cardiovasc Imaging 2016; 32: 1081-1091
453. **Darsaklis K, Dickson ME, Cornwell W, Ayers CR, Torres F, Chin KM, Matulevicius S**
Right atrial emptying fraction non-invasively predicts mortality in pulmonary hypertension.
Int J Cardiovasc Imaging 2016; 32: 1121-1130.
454. **Park J-B, Kim H-K, Jung J-H, Klem I, Yoon YE, Lee S-P, Park E-A, Hwang H-Y, Lee W, Kim Y-J, Cho G-Y, Kim K-B, Sohn D-W, Ahn H**
Prognostic value of cardiac MR imaging for pre-operative assessment of patients with severe functional tricuspid regurgitation.
Radiology 2016; 280(3): 723- 734.
455. **Parekh K, Markl M, Deng J, Freitas RA de, Rigsby CK**
T1 mapping in children and young adults with hypertrophic cardiomyopathy
Int J Cardiovasc Imaging 2016; doi: 10.1007/210554-016-0979-9
456. **Aly MFA, Kleijn SA, Menken-Negroiu RF, Robbers LF, Beek AM, Kamp O**

- Three-dimensional speckle tracking echocardiography and cardiac magnetic resonance for left ventricular chamber quantification and identification of myocardial transmural scar.
Neth Heart J 2016; 24: 600-608
457. **Lurz P, Luecke C, Eitel I, Föhrenbach F, Frank C, Grothoff M, Waha S de, Rommel K-P, Lurz JA, Klingel K, Kandolf R, Schuler G, Thiele H, Gurberlet M**
Comprehensive cardiac magnetic resonance imaging in patients with suspected myocarditis. The MyoRacer-Trial.
J Am Coll Cardiol 2016; 67: 1800-1811.
458. **Mayr A, Kitterer D, Latus J, Steubing H, Henes J, Vecchio F, Kaesemann P, Patrascu A, Greiser A, Groeninger S, Braun N, Alscher MD, Sechtem U, Mahrholdt H, Greulich S.**
Evaluation of myocardial involvement in patients with connective tissue disorders: a multi-parametric cardiovascular magnetic resonance study.
J Cardiovasc Magn Reson 2016; 18: 67
459. **Henriques JPS, Hoebers LP, Ramunddal T, Laanmets P, Eriksen E, Bax M, Ioanas D, Suttorp MJ, Strauss BH, Barbato E, Nijveldt R, Rossum AC van, Marques KM, Elias J, Dongen IM van, Claessen BEPM, Tijssen JG, Schaaf RJ van der, for the EXPLORE Trial investigators.**
Percutaneous intervention for concurrent chronic total occlusions in patients with STEMI. The EXPLORE Trial.
J Am Coll Cardiol 2016; 68: 1622-1632.
460. **Hartog AW den, Franken R, Berg MP van den, Zwinderman AH, Timmermans J, Scholte AJ, Waard V de, Spijkerboer AM, Pals G, Mulder BJM, Groenink M**
The effect of losartan therapy on ventricular function in Marfan patients with haploinsufficient or dominant negative FBN1 mutations.
Neth Heart J 2016; 24: 675-681.
461. **Yoneyama K, Donekal S, Venkatesh BA, Wu CO, Liu C-Y, Nacif MS, Armstrong A, Gomes AS, Hundley WG, McClelland RL, Bluemke DA, Lima JAC**
Natural history of myocardial function in an adult human population. Serial longitudinal observations from MESA.
J Am Coll Cardiol 2016; 9: 1164-1173.
462. **Greulich S, Kitterer D, Latus J, Agnor E, Steubing H, Kaesemann P, Patrascu A, Greiser A, Groeninger S, Mayr A, Braun N, Alscher D, Sechtem U, Mahrholdt H.**
Comprehensive cardiovascular magnetic resonance assessment in patients with sarcoidosis and preserved left ventricular ejection fraction.
Circ Cardiovasc Imaging 2016;9: doi: 10.1161/circimaging.116.005022
463. **Greulich S, Mayr A, Kitterer D, Latus J, Henes J, Steubing H, Kaesemann P, Patrascu A, Greiser A, Groeninger S, Braun N, Alscher MD, Sechtem U, Mahrholdt H.**

- T1 and T2 mapping for evaluation of myocardial involvement in patients with ANCA-associated vasculitides.
J Cardiovasc Magn Reson 2017; 19:6; doi: 10.1186/s12968-016-0315-5
464. **Al Musa T, Uddin A, Swoboda PP, Fairbairn TA, Dobson LE, Singh A, Garg P, Steadman CD, Erhayiem B, Kidambi A, Ripley DP, McDiarmid AK, Haaf P, Blackman DJ, Plein S, McCann GP, Greenwood JP**
Cardiovascular magnetic resonance evaluation of symptomatic severe aortic stenosis: association of circumferential myocardial strain and mortality.
J Cardiovasc Magn Res 2017; 19: 13-
465. **Chrispin J, Ipek EG, Habibi M, Yang E, Spragg D, Marine JE, Ashikaga H, Rickard J, Berger RD, Zimmerman SL, Calkins H, Nazarian S**
Clinical predictors of cardiac magnetic resonance late gadolinium enhancement in patients with atrial fibrillation.
Europace 2017; 19: 371-377.
466. **Bulluck H, Hammond-Haley M, Weinmann S, Martinez-Macias R, Hausenloy DJ**
Myocardial infarct size by CMR in clinical cardioprotection studies. Insights from randomized controlled trials
J Am Coll Cardiol 2017; 10: 230-240
467. **Christina Unterberg-Buchwald C , Ritter CO, Reupke V , Wilke RN, Stadelmann C, Steinmetz M, Schuster A, Hasenfuß G, Lotz J, Uecker M**
Targeted endomyocardial biopsy guided by real-time cardiovascular magnetic resonance
Journal of Cardiovascular Magnetic Resonance (2017) 19:45 DOI 10.1186/s12968-017-0357-3
468. **Sandfort V, Kwan AC, Elumogo C, Vigneault DM, Symons R, Pourmorteza A, Rice K, Davies-Venn C, Ahlman MA, Liu C-Y, Zimmerman SL, Bluemke DA**
Automatic high-resolution infarct detection using volumetric multiphase dual-energy CT
J CCT 2017; doi: 10.1016/j.jcct.2017/04.006
469. **Paiman EHM, Lamb HJ**
When should we use contrast material in cardiac MRI?
J Magn Reson Imaging 2017; doi: 10.1002/jmri.25754
470. **Singh A, Greenwood JP, Berry C, Dawson DK, Hogrefe K, Kelly DJ, Dhakshinamurthy V, Lang CC, Khoo JP, Sprigings D, Steeds RP, Jerosch-Herold M, Neubauer S, Prendergast B, Williams B, Zhang R, Hudson I, Squire IB, Ford I, Samani NJ, McCann GP**
Comparison of exercise testing and CMR measured myocardial perfusion reserve for predicting outcome in asymptomatic aortic stenosis: the PRognostic Importance of Microvascular Dysfunction in Aortic Stenosis (PRIMID AS) Study
Eur Heart J 2017; 38: 1222-1229

471. **Liu D, Ma X, Liu J, Zhao L, Chen H, Xu L, Sun Z, Fan Z**
Quantitative analysis of late gadolinium enhancement in hypertrophic cardiomyopathy: comparison of diagnostic performance in myocardial fibrosis between gadobutrol and gadopentetate dimeglumine
Int J Cardiovasc Imaging 2017; 33: 1191-1200
472. **Elias J, Dongen IM van, Hoebbers LP, Ouweneel DM, Claessen BEPM, Ramunddal T, Laanmets P, Eriksen E, Schaaf RJ van der, Ioanes D, Nijveldt R, Tijssen JG, Hirsch A, Henriques JPS on behalf of the EXPLORE investigators.**
Improved recovery of regional left ventricular function after PCI of chronic total occlusion in STEMI patients: a cardiovascular magnetic resonance study of the reandomized controlled EXPLORE trial.
J Cardiovasc Magn Reson 2017; 19: 53- 63
473. **Salehi MM, Logoteta J, Bulushi AA, Gabbert D, Wegner P, Hoffmann U, Bannert F, Kramer HH, Rickers C**
Global and regional right ventricular function and deformation in children with hypoplastic left heart syndrome (HLHS) assessed by MR-feature tracking
Presented at 49th Annual Scientific Meeting of the German Society of Paediatric Cardiology (DGPK), Leipzig, Febr 2017
474. **Huber AT, Lamy J, Rahhal A, Evin M, Atassi F, Defrance C, Lebreton G, Clement K, Berthet M, Isnard R, Leprince P, Cluzel P, Hatem SN, Kachenoura N, Redheuil A**
Cardiac MR Strain: a noninvasive biomarker of fibrofatty remodeling of the left atrial myocardium
Radiology 2017: doi.org/10.1148/radiol.2017162787
475. **Robbers LFHJ, Nijveldt R, Beek AM, Teunissen PFA, Hollander MR, Biesbroek PS, Everaars H, Ven PM van de, Hofman MBM, Royen N van, Rossum AC van**
The influence of microvascular injury on native T1 and T2* relaxation values after acute myocardial infarctions: implications for non-contrast-enhanced infarct assessment
Eur Radiol 2017: [doi: 10.1007/s00330-017-5010-x](https://doi.org/10.1007/s00330-017-5010-x)
476. **Cambroner-Cortinas E, Bonanad C, Monmeneu JV, Lopez-Lereu MP, Gavara J, Dios E de, Rios C, Perez N, Racugno P, Paya A, Escribano D, Minana G, Pellicer M, Canoves J, Nunez J, Chorro FJ, Moratal D, Bodi V**
Incidence, outcomes, and predictors of ventricular thrombus after reperfused ST-segment-elevation myocardial infarction by using sequential cardiac MR imaging
Radiology 2017; 284(2): 372-380
477. **Bourfiss M, Vigneault DM, Ghasebeh MA, Murray B, James CA, Tichnell C, Housein FAM, Zimmerman SL, Kamel IR, Calkins H, Tandri H, Velthuis BK, Bluemke DA, Riele ASJM te.**
Feature tracking CMR reveals abnormal strain in preclinical arrhythmogenic right ventricular dysplasia / cardiomyopathy: a multisoftware feasibility and clinical implementation study.

- J Cardiovasc Magn Reson* 2017; doi: 10.1186/s12968-017-0380-4
478. **Kawel-Boehm N, McClelland RL, Zemrak F, Captur G, Hundley WG, Liu C-Y, Moon JC, Petersen SE, Ambale-Venkatesh B, Lima JAC, Bluemke DA**
Hypertrabeculated left ventricular myocardium in relationship to myocardial function and fibrosis: The Multi-Ethnic Study of Atherosclerosis
Radiology 2017; 284(3): 667-675
479. **Duan AQ, Lock MC, Perumal SR, Darby JR, Soo JY, Selvanayagam JB, Macgowan CK, Seed M, Morrison JL**
Feasibility of detecting myocardial infarction in the sheep fetus using late gadolinium enhancement CMR imaging
J Cardiovasc Magn Reson 2017; doi: 10.1186/s12968-017-0383-1
480. **Leyva F, Zegard A, Acquaye E, Gubran C, Taylor R, Foley PWX, Umar F, Patel K, Panting J, Marshall H, Qiu T**
Outcomes of cardiac resynchronization therapy with or without defibrillation in patients with nonischemic cardiomyopathy
J Am Coll Cardiol 2017; 70: 1216-1227
481. **Grani C, Eichhorn C, Biere L, Murthy VL, Agarwal V, Kaneko K, Cuddy S, Aghayev A, Steigner M, Blankstein R, Jerosch-Herold M, Kwong RY**
Prognostic value of cardiac magnetic resonance tissue characterization in risk stratifying patients with suspected myocarditis.
J Am Coll Cardiol 2017; 70: 1964-1976
482. **Dijk R van, Kuijpers D, Kaandorp TAM, Dijkman PRM van, Vliegenthart R, Harst P van der, Oudkerk M**
Effects of caffeine intake prior to stress cardiac magnetic resonance perfusion imaging on regadenoson- versus adenosine- induced hyperemia as measured by T1 mapping
Int J Cardiovasc Imaging 2017; 33: 1753-1759
483. **Wandelt LK, Kowallick JT, Schuster A, Wachter R, Stümpfig T, Unterberg-Buchwald C, Steinmetz M, Ritter CO, Lotz J, Staab W**
Quantification of left atrial volume and phasic function using cardiovascular magnetic resonance imaging – comparison of biplane area-length method and Simpson’s method
Int J Cardiovasc Imaging 2017; 33: 1761-1769
484. **D’Angelo T, Grigoratos C, Mazziotti S, Bratis K, Pathan F, Blandino A, Elen E, Puntmann VO, Nagel E**
High-throughput gadobutrol-enhanced CMR: a time and dose optimization study.
J Cardiovasc Magn Reson 2017; 19: 83_91.
485. **Serai SD, Smith EA, Trout AT, Dillman JR**
Agreement between manual relaxometry and semi-automated scanner-based multi-echo Dixon technique for measuring liver T2* in a pediatric and young adult population

- Pediatr Radiol* 2017; doi:10.1007/s00247-017-3990-y
- 486. Fernandez-Jimenez R, Barreiro-Perez M, Martin-Garcia A, Sanchez-Gonzalez J, Aguero J, Galan-Arriola C, Garcia-Prieto J, Diaz-Pelaez E, Vara P, Martinez I, Zamarro I, Garde B, Sanz J, Fuster V, Sanchez PL, Ibanez B**
Dynamic edematous response of the human heart to myocardial infarction: implications for assessing myocardial area at risk and salvage.
Circulation 2017; doi:10.1161/Circulationaha.116.025582
- 487. Chai JT, Biasioli L, Li L, Alkhalil M, Galassi F, Darby C, Haillday AW, Hands L, Magee T, Perkins J, Sideso E, Handa A, Jezzard P, Robson MD, Choudhury RP**
Quantification of lipid-rich core in carotid atherosclerosis using magnetic resonance T2 mapping. Relation to clinical presentation.
J Am Coll Cardiol Img 2017; 10: 747-56
- 488. Höke U, Khidir MJH, Geest RJ van der, Schalijs MJ, Bax JJ, Delgado V, Marsan NA**
Relation of myocardial contrast-enhanced T1 mapping by cardiac magnetic resonance to left ventricular reserve remodeling after cardiac resynchronization therapy in patients with nonischemic cardiomyopathy.
Am J Cardiol 2017; 119: 1456-1462
- 489. Yu Liuyu, Sun J, Sun J, Li J, Dong Y, Zhou X, Greiser A, Han Y, Zhang Q, Xie Q, Chen Y**
Early detection of myocardial involvement by T1 mapping of cardiac MRI in idiopathic inflammatory myopathy
J Magn Reson Imaging 2018; doi: 10.1002/jmri.25945
- 490. Ravesh MS, Scheewe J, Attmann T, Bulushi AA, Jussli-Melchers M-J, Jerosch-Herold M, Gabbert DD, Wegner P, Kramer H-H, Rickers C**
Improved lung perfusion after left pulmonary artery patch enlargement during the Norwood operation.
The Annals of Thoracic Surgery 2017; doi: 10.1016/j.athoracsur.2017.11.057
- 491. Lurz JA, Luecke C, Lang D, Besler C, Rommel K-P, Klingel K, Kandolf R, Adams V, Schöne K, Hindricks G, Schuler G, Linke A, Thiele H, Gutberlet M, Lurz P**
CMR-derived extracellular volume fraction as a marker for myocardial fibrosis. The importance of coexisting myocardial inflammation.
J Am Coll Cardiol 2018; 11: 38-45
- 492. Romano S, Judd RM, Kim RJ, Kim HW, Klem I, Heitner JF, Shah DJ, Jue J, White BE, Indorkar R, Shenoy C, Farzaneh-Far A.**
Feature-tracking global longitudinal strain predicts death in a multicenter population of patients with ischemic and nonischemic dilated cardiomyopathy incremental to ejection fraction and late gadolinium enhancement.

- J Am Coll Cardiol Img* 2018; doi.org/10.1016/j-jcmg.2017.10.024
- 493. Romano S, Judd RM, Kim RJ, Kim HW, Klem I, Heitner J, Shah DJ, Jue J, White BE, Shenoy C, Farzaneh-Far A**
Association of feature –tracking cardiac magnetic resonance imaging left ventricular global longitudinal strain with all-cause mortality in patients with reduced left ventricular ejection fraction. Research Letter
Circulation 2017; 135: 2313-2315
- 494. Barreiro-Perez M, Curione D, Symons R, Claus P, Voigt J-U, Bogaert J**
Left ventricular global myocardial strain assessment comparing the reproducibility of four commercially available CMR-feature tracking algorithms
Europ Radiology 2018; doi://10.1007/s00330-018-5538-4
- 495. Altmayer SPL, Han OJ, Addetia K, Patel AR, Forfia PR, Han Y**
Using all-cause mortality to define severe RV dilation with RV/LV volume ratio.
Nature Scientific Reports 2018; 8: 7200 (doi:10.1038/s41598-018-25259-1)
- 496. D’Amato G, Luxan G, Monte-Nieto G del, Martinez-Poveda B, Torroja C, Walter W, Bochter MS, Benedito R, Cole S, Martinez F, Hadjantonakis A-K, Uemura A, Jimenez-Borreguero LJ, Pompa JL de la**
Sequential notch activation regulates ventricular chamber development.
Nature Cell Biology 2015; doi:10.1038/ncb3280
- 497. Csecs I, Czimbalmos C, Imre Suhai F, Mikle R, Mirzahosseini A, Dohy Z, Szücs A, Réka Kiss A, Simor T, Tóth A, Merkely B, Vágó H**
Left and right ventricular parameters corrected with threshold-based quantification method in a normal cohort analyzed by three independent observers with various training-degree.
Int J Cardiovasc Imaging 2018; doi: 10.1007/s10554-018-1322-4
- 498. Mashayekhi K, Nührenberg Th, Toma A, Gick M, Ferenc M, Hochholzer W, Comberg Th, Rothe J, Valina CM, Löffelhardt N, Ayoub M, Zhao M, Bremicker J, Jander N, Minners J, Ruile P, Behnes M, Akin I, Schäufele T, Neumann F-J, Büttner HJ.**
A randomized trial to assess regional left ventricular function after stent implantation in chronic total occlusion. The REVASC Trial.
J Am Coll Cardiol Intv 2018; 11: 1982-1991.
- 499. Teske AJ, Linschoten M, Kmaphuis JAM, Naaktgeboren WR, Leiner T, Wall E van der, Kuball J, Rhenen A van, Doevendans PA, Cramer MJ, Asselberg FW**
Cardio-oncology: an overview on outpatient management and future developments
Neth Heart J 2018; 26: 521-532
- 500. Granitz M, Motloch LJ, Granitz C, Meissnitzer M, Hitzl W, Hergan K, Schlattau A.**
Comparison of native myocardial T1 and T2 mapping at 1.5T and 3T in healthy volunteers. Reference values and clinical implications.
Wien Klin Wochenschr 2018; <https://doi.org/10.1007/s00508-018-1411-3>

- 501. Volpe GJ, Moreira HT, Trad HS, Wu KC, Braggion-Santos MF, Santos MK, Maciel BC, Pazin-Filho A, Marin-Neto JA, Lima JAC, Schmidt A**
Left ventricular scar and prognosis in chronic Chagas cardiomyopathy.
J Am Coll Cardiol 2018; 72: 2567-76.
- 502. Paiman EHM, Louwerens M, Bresters D, Westenberg JJM, Tao Q, Geest RJ van der, Lankester AC, Roest AAW, Lamb HJ**
Late effects of pediatric hematopoietic stem cell transplantation on left ventricular function, aortic stiffness and myocardial tissue characteristics.
J Cardiovasc Magn Reson 2019; 21:6. <https://doi.org/10.1186/s12968-018-0513-4>
- 503. Bissell L-A, Erhayiem B, Fent G, Hensor EMA, Burska A, Donica H, Plein S, Buch MH, Greenwood JP, Andrews J.**
Carotid artery volumetric measures associated with clinical ten-year cardiovascular (CV) risk scores and individual traditional CV risk factors in rheumatoid arthritis: a carotid-MRI feasibility study.
Arthritis Research & Therapy 2018; 20: 266-276; <https://doi.org/10.1186/s13075-018-1761-2>
- 504. Galan-Arriola C, Lobo M, Vilchez-Tschischke JP, Lopez GJ, Molina-Iracheta A de, Perez-Martinez C, Aguero J, Fernandez-Jimenez R, Martin-Garcia A, Oliver E, Villena-Gutierrez R, Pizarro G, Sanchez PL, Fuster V, Sanchez-Gonzalez J, Ibanez B.**
Serial magnetic resonance imaging to identify early stages of anthracycline-induced cardiotoxicity
J Am Coll Cardiol 2019; 73: 779-91.
- 505. Beitzke D, Rasul S, Lassen ML, Pichler V, Senn D, Stelzmüller ME, Nolz R, Loewe C, Hacker M**
Assessment of myocardial viability in ischemic heart disease by PET/MRI: comparison of left ventricular perfusion, hibernation, and scar burden.
Acad Radiology 2019.
- 506. Gräni C, Bière L, Eichhorn C, Kaneko K, Agarwal V, Aghayev A, Steigner M, Blankstein R, Jerosch-Herold M, Kwong RY**
Incremental value of extracellular volume assessment by cardiovascular magnetic resonance imaging in risk stratifying patients with suspected myocarditis.
Int J Cardiovasc Imaging 2019; 35: 1067-1078
- 507. Mavrogeni SI, Markousis-Mavrogenis G, Karapanagiotou O, Toutouzas K, Argyriou P, Velitsista S, Kanoupakis G, Apostolou D, Hautemann D, Sfikakis P, Tektonidou MG**
Silent myocardial perfusion abnormalities detected by stress Cardiovascular Magnetic Resonance in Antiphospholipid Syndrome: A case-control study.
J Clin Med 2019; 8: 1084-1098; doi: 10.3390/jcm8071084

- 508. Toemen L, Gaillard R, Roest AA, Geest RJ van der, Steegers EAP, Lugt A van der, Helbing WA, Jaddoe VWV**
Fetal and infant growth patterns and left and right ventricular measures in childhood assessed by cardiac MRI
Eur J Preventive Cardiol 2019; doi: 10.1177/204748731986022
- 509. Hagdorn QAJ, Vos JDL, Beurskens NEG, Gorter TM, Meyer SL, Melle JP van, Berger RMF, Willems TP**
CMR feature tracking left ventricular strain-rate predicts ventricular tachyarrhythmia, but not deterioration of ventricular function in patients with repaired tetralogy of Fallot.
Int J Cardiol 2019; doi.org/10.1016/j.ijcard.2019.07.097
- 510. Burkhardt BEU, Menghini C, Rücker B, Kellenberger CJ, Buechel ERV**
Normal myocardial native T1 values in children using single-point saturation recovery and modified look-locker inversion recovery (MOLLI)
J Magn Reson Imaging 2019; doi:10.1002/jmri.26910