

## Appendix G. Excluded Studies

Table G1. Excluded Studies, With Reasons

Study Citation	Reason for Exclusion
Abazid, R. M., Romsa, J. G., Warrington, J. C., Akincioglu, C., Stodilka, R. Z., Vezina, W. C.. Complementary role of hybrid imaging with SPECT myocardial perfusion and coronary CT angiography in hypertrophic cardiomyopathy. <i>Journal of Nuclear Cardiology.</i> 2021. 06:06	Study Design
Abbasi, S. A., Heydari, B., Shah, R. V., et al. Risk stratification by regadenoson stress magnetic resonance imaging in patients with known or suspected coronary artery disease. <i>American Journal of Cardiology.</i> 2014. 114:1198-203	Aim
ANZCTR. A clinical trial comparing the effect of treatment with oral spironolactone compared with a placebo on the frequency and duration of atrial fibrillation in patients with an implanted cardiac device in New Zealand. 2016; <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=ACTRN12616001188426">http://www.who.int/trialsearch/Trial2.aspx?TrialID=ACTRN12616001188426</a> .	Study Design
Ahmad, I. G., Abdulla, R. K., Klem, I., et al. Comparison of stress cardiovascular magnetic resonance imaging (CMR) with stress nuclear perfusion for the diagnosis of coronary artery disease. <i>Journal of nuclear cardiology.</i> 2016. 23:287-297	Setting
Aladl, U. E., Hurwitz, G. A., Dey, D., Levin, D., Drangova, M., Slomka, P. J.. Automated image registration of gated cardiac single-photon emission computed tomography and magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging.</i> 2004. 19:283-90	Aim
AlBadri, A., Leong, D., Bairey Merz, C. N., et al. Typical angina is associated with greater coronary endothelial dysfunction but not abnormal vasodilatory reserve. <i>Clinical Cardiology.</i> 2017. 40:886-891	Aim
Al-Badri, A., Wei, J., Landes, S., et al. Inter-scan Reproducibility of Cardiovascular Magnetic Resonance Imaging-Derived Myocardial Perfusion Reserve Index in Women with no Obstructive Coronary Artery Disease. <i>Current Trends in Clinical &amp; Medical Imaging.</i> 2018. 2:#pages#	Population
Almutairi, H. M., Boubertakh, R., Miquel, M. E., Petersen, S. E.. Myocardial deformation assessment using cardiovascular magnetic resonance-feature tracking technique. <i>British Journal of Radiology.</i> 2017. 90:20170072	Study Design
Al-Saadi, N., Gross, M., Paetsch, I., et al. Dobutamine induced myocardial perfusion reserve index with cardiovascular MR in patients with coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2002. 4:471-80	Data level
Al-Saadi, N., Nagel, E., Gross, M., et al. Improvement of myocardial perfusion reserve early after coronary intervention: assessment with cardiac magnetic resonance imaging. <i>Journal of the American College of Cardiology.</i> 2000. 36:1557-64	Population
Al-Saadi, Nidal, Nagel, et al. Noninvasive Detection of Myocardial Ischemia From Perfusion Reserve Based on Cardiovascular Magnetic Resonance. <i>Circulation.</i> 2000. 101:1379-1383	Data level
Anand, D. V., Lim, E., Lipkin, D., Lahiri, A.. Evaluation of graft patency by computed tomographic angiography in symptom-free post-coronary artery bypass surgery patients. <i>Journal of Nuclear Cardiology.</i> 2008. 15:201-8	Intervention
Andersen, K., Hennersdorf, M., Cohnen, M., Blondin, D., Modder, U., Poll, L. W.. Myocardial delayed contrast enhancement in patients with arterial hypertension: initial results of cardiac MRI. <i>European Journal of Radiology.</i> 2009. 71:75-81	Population
Anonymous. Abstracts of the 2015 SCMR/EuroCMR Joint Scientific Sessions, February 4-7, 2015, Nice, France. <i>Journal of Cardiovascular Magnetic Resonance.</i> #year#. 17 Suppl 1:M1-W36	Study Design

Study Citation	Reason for Exclusion
Anonymous. EACVI HIT initiative: discussion with the seniors. Highlights from EuroCMR 2016. European heart journal cardiovascular Imaging. #year#. 18:373	Study Design
Anonymous. EuroCMR 2016 Congress Report: separating facts from myths. European Heart Journal. #year#. 37:3251-3252	Study Design
Anonymous. EuroCMR 2016: the leading cardiac magnetic resonance meeting in Europe. European Heart Journal. #year#. 37:2512-3	Study Design
Anonymous. Evaluation of coronary arterial stenoses using 2D magnetic resonance coronary angiography. Minimally Invasive Therapy & Allied Technologies: Mitat. 2002. 11:7-15	Data level
Antiochos, P., Ge, Y., Steel, K., et al. Investigators, Spins Study. Imaging of Clinically Unrecognized Myocardial Fibrosis in Patients With Suspected Coronary Artery Disease. Journal of the American College of Cardiology. 2020. 76:945-957	Aim
Appelbaum, E., Abraham, J. M., Pride, Y. B., et al. Association of Thrombolysis in Myocardial Infarction Myocardial Perfusion Grade with cardiovascular magnetic resonance measures of infarct architecture after primary percutaneous coronary intervention for ST-segment elevation myocardial infarction. American Heart Journal. 2009. 158:84-91	Population
Aquaro, G. D., Pingitore, A., Strata, E., Di Bella, G., Molinaro, S., Lombardi, M.. Cardiac magnetic resonance predicts outcome in patients with premature ventricular complexes of left bundle branch block morphology. Journal of the American College of Cardiology. 2010. 56:1235-43	Aim
Arai Andrew, Schulz-Menger, Jeanette, et al. Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. Journal of the American College of Cardiology. 2020. 76:1536-1547	Intervention
Arai, A. E., Schulz-Menger, J., Berman, D., et al. Gadobutrol-Enhanced Cardiac Magnetic Resonance Imaging for Detection of Coronary Artery Disease. J Am Coll Cardiol. 2020. 76:1536-1547	Intervention
Aras, A., Anik, Y., Demirci, A., et al. Magnetic resonance imaging measurement of left ventricular blood flow and coronary flow reserve in patients with chronic heart failure due to coronary artery disease. Acta Radiologica. 2007. 48:1092-1100	Population
Arenja, N., Riffel, J. H., Halder, M., et al. The prognostic value of right ventricular long axis strain in non-ischaemic dilated cardiomyopathies using standard cardiac magnetic resonance imaging. European Radiology. 2017. 27:3913-3923	Aim
Arnold, J. R., Francis, J. M., Karamitsos, T. D., et al. Myocardial perfusion imaging after coronary artery bypass surgery using cardiovascular magnetic resonance: a validation study. Circulation. Cardiovascular imaging. 2011. 4:312-8	Aim
Arnold, J. R., Karamitsos, T. D., Pegg, T. J., et al. Adenosine stress myocardial contrast echocardiography for the detection of coronary artery disease: a comparison with coronary angiography and cardiac magnetic resonance. Jacc: Cardiovascular Imaging. 2010. 3:934-43	Intervention
Arnold, J. R., Karamitsos, T. D., van Gaal, W. J., et al. Residual ischemia after revascularization in multivessel coronary artery disease: insights from measurement of absolute myocardial blood flow using magnetic resonance imaging compared with angiographic assessment. Circulation: Cardiovascular Interventions. 2013. 6:237-45	Intervention
Arrous, S., Killeen, R. P., Martos, R., Quinn, M., McDonald, K., Dodd, J. D.. Quantification of mitral regurgitation on cardiac computed tomography: comparison with qualitative and quantitative echocardiographic parameters. Journal of Computer Assisted Tomography. 2011. 35:625-30	Population

Study Citation	Reason for Exclusion
Babiarz, L. S., Astor, B., Mohamed, M. A., Wasserman, B. A.. Comparison of gadolinium-enhanced cardiovascular magnetic resonance angiography with high-resolution black blood cardiovascular magnetic resonance for assessing carotid artery stenosis. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2007. 9:63-70	Comparator
Baccouche, H., Mahrholdt, H., Meinhardt, G., et al. Diagnostic synergy of non-invasive cardiovascular magnetic resonance and invasive endomyocardial biopsy in troponin-positive patients without coronary artery disease. <i>European Heart Journal.</i> 2009. 30:2869-79	Population
Bakir, M., Wei, J., Nelson, M. D., et al. Cardiac magnetic resonance imaging for myocardial perfusion and diastolic function-reference control values for women. <i>Cardiovascular Diagnosis &amp; Therapy.</i> 2016. 6:78-86	Population
Baks, T., van Geuns, R. J., Biagini, E., et al. Recovery of left ventricular function after primary angioplasty for acute myocardial infarction. <i>European Heart Journal.</i> 2005. 26:1070-7	Population
Bamberg, F., Marcus, R. P., Schlett, C. L., et al. Imaging evaluation of acute chest pain: systematic review of evidence base and cost-effectiveness. <i>Journal of Thoracic Imaging.</i> 2012. 27:289-95	Study Design
Barmeyer, A. A., Stork, A., Muellerleile, K., et al. Comparison of quantitative coronary angiography and first-pass perfusion magnetic resonance imaging for the detection of an impaired coronary perfusion in nonsevere coronary stenosis. <i>Journal of Magnetic Resonance Imaging.</i> 2008. 27:1005-11	Data level
Bastarrika, G., Ramos-Duran, L., Rosenblum, M. A., Kang, D. K., Rowe, G. W., Schoepf, U. J.. Adenosine-stress dynamic myocardial CT perfusion imaging: initial clinical experience. <i>Investigative Radiology.</i> 2010. 45:306-13	Data level
Becker, M., Hundemer, A., Zwicker, C., et al. Detection of coronary artery disease in postmenopausal women: the significance of integrated stress imaging tests in a 4-year prognostic study. <i>Clin Res Cardiol.</i> 2015. 104:258-71	Intervention
Bedaux, Willemijn L. F., Hofman, Mark B. M., Vyt, Stefan L. A., Bronzwaer, Jean G. F., Visser, Cees A., van Rossum, Albert C.. Assessment of coronary artery bypass graft disease using cardiovascular magnetic resonance determination of flow reserve. <i>Journal of the American College of Cardiology.</i> 2002. 40:1848-1855	Data level
Berg, J., Kottwitz, J., Baltensperger, N., Kissel, C. K., Lovrinovic, M., Mehra, T., Scherff, F., Schmied, C., Templin, C., Luscher, T. F., Heidecker, B., Manka, R.. Cardiac Magnetic Resonance Imaging in Myocarditis Reveals Persistent Disease Activity Despite Normalization of Cardiac Enzymes and Inflammatory Parameters at 3-Month Follow-Up. <i>Circulation: Heart Failure.</i> 2017. 10:#pages#	Population
Bernhardt, P., Buckert, D., Dyckmanns, N., Rottbauer, W.. Magnetic resonance adenosine perfusion imaging as gatekeeper of invasive coronary. <i>European heart journal cardiovascular imaging.</i> 2016. 17:#pages#	Study Design
Bernhardt, P., Hackenbroch, C., Steinacker, J., Buckert, D.. Quality of life improvement in coronary artery disease by adenosine magnetic resonance driven management in comparison to conventional approach. <i>Circulation.</i> 2017. 136:#pages#	Study Design
Bernhardt, P., Levenson, B., Albrecht, A., Engels, T., Strohm, O.. Detection of cardiac small vessel disease by adenosine-stress magnetic resonance. <i>International Journal of Cardiology.</i> 2007. 121:261-6	Outcomes
Bernhardt, P., Spiess, J., Levenson, B., Pilz, G., Hofling, B., Hombach, V., Strohm, O.. Combined assessment of myocardial perfusion and late gadolinium enhancement in patients after percutaneous coronary intervention or bypass grafts: a multicenter study of an integrated cardiovascular magnetic resonance protocol. <i>Jacc: Cardiovascular Imaging.</i> 2009. 2:1292-300	Intervention

Study Citation	Reason for Exclusion
Bernhardt, P., Walcher, T., Rottbauer, W., Wohrle, J.. Quantification of myocardial perfusion reserve at 1.5 and 3.0 Tesla: a comparison to fractional flow reserve. <i>The International Journal of Cardiovascular Imaging.</i> 2012. 28:2049-56	Intervention
Bertaso, A. G., Richardson, J. D., Wong, D. T., Cunningham, M. S., Nelson, A. J., Tayeb, H., Williams, K., Chew, D. P., Worthley, M. I., Teo, K. S., Worthley, S. G.. Prognostic value of adenosine stress perfusion cardiac MRI with late gadolinium enhancement in an intermediate cardiovascular risk population. <i>International Journal of Cardiology.</i> 2013. 167:2055-60	Aim
Bertella, E., Baggiano, A., Petulla, M., Mushtaq, S., Beltrama, V., Gripari, P., Conte, E., Russo, E., Andreini, D., Pontone, G.. Cardiac computed tomography versus cardiac magnetic resonance for characterization of left atrium anatomy before radiofrequency catheter ablation of atrial fibrillation. <i>European Heart Journal Cardiovascular Imaging.</i> 2015. 16:#pages#	Study Design
Bertoldi, E. G., Stella, S. F., Rohde, L. E., Polanczyk, C. A.. Long-term Cost-Effectiveness of Diagnostic Tests for Assessing Stable Chest Pain: Modeled Analysis of Anatomical and Functional Strategies. <i>Clinical Cardiology.</i> 2016. 39:249-56	Setting
Bertoldi, Eduardo G., Stella, Steffen F., Rohde, Luis Eduardo P., Polanczyk, Carisi A.. Cost-effectiveness of anatomical and functional test strategies for stable chest pain: public health perspective from a middle-income country. <i>BMJ open.</i> 2017. 7:e012652-e012652	Setting
Bertschinger, K. M., Nanz, D., Buechi, M., Luescher, T. F., Marincek, B., von Schulthess, G. K., Schwitter, J.. Magnetic resonance myocardial first-pass perfusion imaging: parameter optimization for signal response and cardiac coverage. <i>Journal of Magnetic Resonance Imaging.</i> 2001. 14:556-62	Data level
Bethke, A., Shanmuganathan, L., Andersen, G. O., Eritsland, J., Swanson, D., Klow, N. E., Hoffmann, P.. Microvascular perfusion in infarcted and remote myocardium after successful primary PCI: angiographic and CMR findings. <i>European Radiology.</i> 2019. 29:941-950	Population
Bettencourt, N., Chiribiri, A., Schuster, A., et al. Direct comparison of cardiac magnetic resonance and multidetector computed tomography stress-rest perfusion imaging for detection of coronary artery disease. <i>Journal of the American College of Cardiology.</i> 2013. 61:1099-107	Intervention
Bettencourt, N., Chiribiri, A., Schuster, A., Ferreira, N., Sampaio, F., Duarte, R., Santos, L., Melica, B., Rodrigues, A., Braga, P., Teixeira, M., Simoes, L., Leite-Moreira, A., Silva-Cardoso, J., Nagel, E., Portugal, P., Gama, V.. Cardiac magnetic resonance myocardial perfusion imaging for detection of functionally significant obstructive coronary artery disease: a prospective study. <i>International Journal of Cardiology.</i> 2013. 168:765-73	Other (please note rationale)
Biagini, E., van Geuns, R. J., Baks, T., Boersma, E., Rizzello, V., Galema, T. W., de Feyter, P. J., ten Cate, F. J.. Comparison between contrast echocardiography and magnetic resonance imaging to predict improvement of myocardial function after primary coronary intervention. <i>American Journal of Cardiology.</i> 2006. 97:361-6	Population
Bieging, E. T., Haider, I., Adluru, G., Chang, L., Suksaranjit, P., Likhite, D., Shaaban, A., Jensen, L., Wilson, B. D., McGann, C. J., DiBella, E.. Rapid rest/stress regadenoson ungated perfusion CMR for detection of coronary artery disease in patients with atrial fibrillation. <i>The International Journal of Cardiovascular Imaging.</i> 2017. 33:1781-1788	Population
Biere, L., Audonet, M., Clerfond, G., Delagarde, H., Willoteaux, S., Prunier, F., Furber, A.. First pass perfusion imaging to improve the assessment of left ventricular thrombus following a myocardial infarction. <i>European journal of radiology.</i> 2016. 85:1532-1537	Population

Study Citation	Reason for Exclusion
Bietenbeck, M., Florian, A., Shomanova, Z., Meier, C., Yilmaz, A.. Reduced global myocardial perfusion reserve in DCM and HCM patients assessed by CMR-based velocity-encoded coronary sinus flow measurements and first-pass perfusion imaging. Clinical Research in Cardiology. 2018. 107:1062-1070	Population
Biglands, J. D., Ibraheem, M., Magee, D. R., Radjenovic, A., Plein, S., Greenwood, J. P.. Quantitative Myocardial Perfusion Imaging Versus Visual Analysis in Diagnosing Myocardial Ischemia: A CE-MARC Substudy. Jacc: Cardiovascular Imaging. 2018. 11:711-718	Other (please note rationale)
Biglands, J. D., Magee, D. R., Sourbron, S. P., Plein, S., Greenwood, J. P., Radjenovic, A.. Comparison of the Diagnostic Performance of Four Quantitative Myocardial Perfusion Estimation Methods Used in Cardiac MR Imaging: CE-MARC Substudy. Radiology. 2015. 275:393-402	Other (please note rationale)
Biko, D. M., Collins, R. T., 2nd, Partington, S. L., Harris, M., Whitehead, K. K., Keller, M. S., Fogel, M. A.. Magnetic Resonance Myocardial Perfusion Imaging: Safety and Indications in Pediatrics and Young Adults. Pediatric Cardiology. 2018. 39:275-282	Intervention
Bingham, S. E., Hachamovitch, R.. Incremental prognostic significance of combined cardiac magnetic resonance imaging, adenosine stress perfusion, delayed enhancement, and left ventricular function over preimaging information for the prediction of adverse events. Circulation. 2011. 123:1509-18	Aim
Birkemeyer, R., Toelg, R., Zeymer, U., Wessely, R., Jackle, S., Hairedini, B., Lubke, M., Asfalg, M., Jung, W.. Comparison of cardiogoniometry and electrocardiography with perfusion cardiac magnetic resonance imaging and late gadolinium enhancement. Europace. 2012. 14:1793-8	Comparator
Bittencourt, M. S., Christman, M. P., Hulten, E., Divakaran, S., Skali, H., Kwong, R. Y., Hainer, J., Forman, D. E., Kirshenbaum, J. M., Dorbala, S., Di Carli, M. F., Blankstein, R.. Comparison of the use of downstream tests after exercise treadmill testing by cardiologists versus noncardiologists. American Journal of Cardiology. 2014. 114:305-11	Intervention
Blanke, P., Weir-McCall, J. R., Achenbach, S., Delgado, V., Hausleiter, J., Jilaihawi, H., Marwan, M., Norgaard, B. L., Piazza, N., Schoenhagen, P., Leipsic, J. A.. Computed tomography imaging in the context of transcatheter aortic valve implantation (TAVI) / transcatheter aortic valve replacement (TAVR): An expert consensus document of the Society of Cardiovascular Computed Tomography. J Cardiovasc Comput Tomogr. 2019. 13:1-20	Intervention
Blankenship, J., Iliadis, L.. Coronary magnetic resonance angiography. New England Journal of Medicine. 2002. 346:1413-4; author reply 1413-4	Study Design
Bluemke, D. A., Achenbach, S., Budoff, M., et al. Noninvasive coronary artery imaging: magnetic resonance angiography and multidetector computed tomography angiography: a scientific statement from the american heart association committee on cardiovascular imaging and intervention of the council on cardiovascular radiology and intervention, and the councils on clinical cardiology and cardiovascular disease in the young. Circulation. 2008. 118:586-606	Publication Date
Bluemke, David A., Breiter, Steven N.. Sedation Procedures in MR Imaging: Safety, Effectiveness, and Nursing Effect on Examinations. Radiology. 2000. 216:645-652	Population
Bodi, V., Rumiz, E., Merlos, P., Nunez, J., Lopez-Lereu, M. P., Monmeneu, J. V., Chaustre, F., Moratal, D., Trapero, I., Blasco, M. L., Oltra, R., Sanjuan, R., Chorro, F. J., Llacer, A., Sanchis, J.. One-week and 6-month cardiovascular magnetic resonance outcome of the pharmacoinvasive strategy and primary angioplasty for the reperfusion of ST-segment elevation myocardial infarction. Revista Espanola de Cardiologia. 2011. 64:111-20	Population

Study Citation	Reason for Exclusion
Bodi, V., Sanchis, J., Llacer, A., et al. Significance of exercise-induced ST segment elevation in Q leads in patients with a recent myocardial infarction and an open infarct-related artery Analysis with angiography, intracoronary myocardial contrast echocardiography and cardiac magnetic resonance. International Journal of Cardiology. 2005. 103:85-91	Population
Bodi, V., Sanchis, J., Lopez-Lereu, M. P., et al. Prognostic and therapeutic implications of dipyridamole stress cardiovascular magnetic resonance on the basis of the ischaemic cascade. Heart. 2009. 95:49-55	Aim
Bodi, V., Sanchis, J., Lopez-Lereu, M. P., et al. Prognostic value of dipyridamole stress cardiovascular magnetic resonance imaging in patients with known or suspected coronary artery disease. Journal of the American College of Cardiology. 2007. 50:1174-9	Aim
Bodi, V., Sanchis, J., Lopez-Lereu, M. P., Nunez, J., Sanz, R., Palau, P., Gomez, C., Moratal, D., Chorro, F. J., Llacer, A.. Microvascular perfusion 1 week and 6 months after myocardial infarction by first-pass perfusion cardiovascular magnetic resonance imaging. Heart. 2006. 92:1801-7	Population
Botman, C. J., Post, H., Penn, O., Pijls, N.. Value of magnetic resonance imaging, angiography, and fractional flow reserve to evaluate the left main coronary artery after direct surgical angioplasty. Annals of Thoracic Surgery. 2007. 83:490-4	Population
Braga, J. R., Leong-Poi, H., Rac, V. E., Austin, P. C., Ross, H. J., Lee, D. S.. Trends in the Use of Cardiac Imaging for Patients With Heart Failure in Canada. JAMA Network Open. 2019. 2:e198766	Setting
Bravo, P. E., Zimmerman, S. L., Luo, H. C., et al. Relationship of delayed enhancement by magnetic resonance to myocardial perfusion by positron emission tomography in hypertrophic cardiomyopathy. Circulation. Cardiovascular imaging. 2013. 6:210-7	Population
Breton, E., Kim, D., Chung, S., Axel, L.. Quantitative contrast-enhanced first-pass cardiac perfusion MRI at 3 tesla with accurate arterial input function and myocardial wall enhancement. Journal of Magnetic Resonance Imaging. 2011. 34:676-84	Aim
Brothers, J. A., Kim, T. S., Fogel, M. A., Whitehead, K. K., Morrison, T. M., Paridon, S. M., Harris, M. A.. Cardiac magnetic resonance imaging characterizes stenosis, perfusion, and fibrosis preoperatively and postoperatively in children with anomalous coronary arteries. Journal of Thoracic & Cardiovascular Surgery. 2016. 152:205-10	Outcomes
Brothers, J. A., Whitehead, K. K., Keller, M. S., Fogel, M. A., Paridon, S. M., Weinberg, P. M., Harris, M. A.. Cardiac MRI and CT: differentiation of normal ostium and intraseptal course from slitlike ostium and interarterial course in anomalous left coronary artery in children. AJR. American Journal of Roentgenology. 2015. 204:W104-9	Intervention
Bruder, O., Schneider, S., Nothnagel, D., et al. EuroCMR (European Cardiovascular Magnetic Resonance) registry: results of the German pilot phase. Journal of the American College of Cardiology. 2009. 54:1457-66	Other (please note rationale)
Bruder, O., Schneider, S., Nothnagel, D., Pilz, G., Lombardi, M., Sinha, A., Wagner, A., Dill, T., Frank, H., van Rossum, A., Schwitter, J., Nagel, E., Senges, J., Sabin, G., Sechtem, U., Mahrholdt, H.. Acute adverse reactions to gadolinium-based contrast agents in CMR: multicenter experience with 17,767 patients from the EuroCMR Registry. Jacc: Cardiovascular Imaging. #year#. 4:1171-6	Other (please note rationale)
Bruder, O., Schneider, S., Pilz, G., van Rossum, A. C., Schwitter, J., Nothnagel, D., Lombardi, M., Buss, S., Wagner, A., Petersen, S., Greulich, S., Jensen, C., Nagel, E., Sechtem, U., Mahrholdt, H.. 2015 Update on Acute Adverse Reactions to Gadolinium based Contrast Agents in Cardiovascular MR. Large Multi-National and Multi-Ethnical Population Experience With 37788 Patients From the EuroCMR Registry. Journal of Cardiovascular Magnetic Resonance. #year#. 17:58	Intervention

Study Citation	Reason for Exclusion
Bruder, O., Wagner, A., Lombardi, M., et al. European Cardiovascular Magnetic Resonance (EuroCMR) registry--multi national results from 57 centers in 15 countries. Journal of Cardiovascular Magnetic Resonance. #year#. 15:9	Intervention
Bruder, O., Wagner, A., Mahrholdt, H.. Lessons Learned from the European Cardiovascular Magnetic Resonance (EuroCMR) Registry Pilot Phase. Current Cardiovascular Imaging Reports. #year#. 3:171-174	Other (please note rationale)
Bucciarelli-Ducci, C., Di Mario, C., Pennell, D. J.. Perfusion cardiovascular magnetic resonance in the clinical scenario of patients with coronary artery disease. Journal of the American College of Cardiology. 2009. 55:78-9	Study Design
Bucciarelli-Ducci, C., Francone, M., Scardala, R., Fedele, F.. Cardiovascular magnetic resonance myocardial perfusion coupled with infarct imaging in patients with coronary artery disease. Minerva Cardioangiologica. 2007. 55:521	Study Design
Buckert, D., Dewes, P., Walcher, T., Rottbauer, W., Bernhardt, P.. Intermediate-term prognostic value of reversible perfusion deficit diagnosed by adenosine CMR: a prospective follow-up study in a consecutive patient population. Jacc: Cardiovascular Imaging. 2013. 6:56-63	Aim
Buckert, D., Hackenbroch, C., Rottbauer, W., Bernhardt, P.. Magnetic resonance adenosine perfusion imaging as gatekeeper of invasive coronary intervention - Results of the randomized controlled MAGNET trial. Circulation. 2017. 136:#pages#	Study Design
Buckert, D., Mariyadas, M., Walcher, T., Rasche, V., Wohrle, J., Rottbauer, W., Bernhardt, P.. Angiographic validation of magnetic resonance assessment of myocardium at risk in non-ST-elevation myocardial infarction. The International Journal of Cardiovascular Imaging. 2013. 29:1295-301	Population
Buckert, D., Witzel, S., Cieslik, M., Tibi, R., Rottbauer, W., Bernhardt, P.. Magnetic resonance Adenosine perfusion imaging as Gatekeeper of invasive coronary intervention (MAGnet): study protocol for a randomized controlled trial. Trials [Electronic Resource]. 2017. 18:358	Intervention
Buckert, D., Witzel, S., Steinacker, J. M., Rottbauer, W., Bernhardt, P.. Comparing Cardiac Magnetic Resonance-Guided Versus Angiography-Guided Treatment of Patients With Stable Coronary Artery Disease: Results From a Prospective Randomized Controlled Trial. Jacc: Cardiovascular Imaging. 2018. 11:987-996	Intervention
Budoff, M. J., Achenbach, S., Duerinckx, A.. Clinical utility of computed tomography and magnetic resonance techniques for noninvasive coronary angiography. Journal of the American College of Cardiology. 2003. 42:1867-78	Study Design
Buechel, E. R., Balmer, C., Bauersfeld, U., Kellenberger, C. J., Schwitter, J.. Feasibility of perfusion cardiovascular magnetic resonance in paediatric patients. Journal of Cardiovascular Magnetic Resonance. 2009. 11:51	Intervention
Bunce, N. H., Lorenz, C. H., John, A. S., Lesser, J. R., Mohiaddin, R. H., Pennell, D. J.. Coronary artery bypass graft patency: assessment with true ast imaging with steady-state precession versus gadolinium-enhanced MR angiography. Radiology. 2003. 227:440-6	Data level
Bunce, N. H., Reyes, E., Keegan, J., Bunce, C., Davies, S. W., Lorenz, C. H., Pennell, D. J.. Combined coronary and perfusion cardiovascular magnetic resonance for the assessment of coronary artery stenosis. Journal of Cardiovascular Magnetic Resonance. 2004. 6:527-39	Data level
Burgstahler, C., Kunze, M., Gawaz, M. P., Rasche, V., Wohrle, 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	Intervention
Calore, C., Cacciavillani, L., Boffa, G. M., Silva, C., Tiso, E., Marra, M. P., Bacchiega, E., Corbetti, F., Iliceto, S.. Contrast-enhanced cardiovascular magnetic resonance in primary and ischemic dilated cardiomyopathy. Journal of Cardiovascular Medicine. 2007. 8:821-9	Population

Study Citation	Reason for Exclusion
Camaioni, C., Knott, K. D., Augusto, J. B., Seraphim, A., Rosmini, S., Ricci, F., Boubertakh, R., Xue, H., Hughes, R., Captur, G., Lopes, L. R., Brown, L. A. E., Manisty, C., Petersen, S. E., Plein, S., Kellman, P., Mohiddin, S. A., Moon, J. C.. Inline perfusion mapping provides insights into the disease mechanism in hypertrophic cardiomyopathy. Heart. 2020. 106:824-829	Population
Campbell, F., Thokala, P., Uttley, L. C., Sutton, A., Sutton, A. J., Al-Mohammad, A., Thomas, S. M.. Systematic review and modelling of the cost-effectiveness of cardiac magnetic resonance imaging compared with current existing testing pathways in ischaemic cardiomyopathy. Health Technol Assess. 2014. 18:1-120	Population
Cassese, S., Belle, L., Ndrepepa, G., Bosson, J. L., Fusaro, M., Lonborg, J., Ahtarovski, K. A., Kelbaek, H., Fusaro, M.. Deferred vs Immediate Stenting in Primary Percutaneous Coronary Intervention: A Collaborative Meta-analysis of Randomized Trials With Cardiac Magnetic Resonance Imaging Data. Canadian Journal of Cardiology. 2018. 34:1573-1580	Intervention
Centonze, M., Lorenzin, G., Francesconi, A., Cademartiri, F., Casagranda, G., Fusaro, M., Ligabue, G., Zanetti, G., Spanti, D., De Cobelli, F.. Cardiac-CT and Cardiac-MR examinations cost analysis, based on data of four Italian Centers. Radiol Med. 2016. 121:12-8	Setting
Chen, Y. Y., Ren, D. Y., Zeng, M. S., Yang, S., Yun, H., Fu, C. X., Ge, J. B., Jin, H., Qian, J. Y., Zhang, W. G.. Myocardial extracellular volume fraction measurement in chronic total coronary occlusion: Association with myocardial injury, angiographic collateral flow, and functional recovery. Journal of Magnetic Resonance Imaging. 2016. 44:972-82	Population
Chen, Z., Duan, Q., Xue, X., Chen, L., Ye, W., Jin, L., Sun, B.. Noninvasive detection of coronary artery stenoses with contrast-enhanced whole-heart coronary magnetic resonance angiography at 3.0 T. Cardiology. 2010. 117:284-90	Setting
Chen, Z., Sun, B., Duan, Q., Xue, Y., Chen, L.. 3.0T Contrast-enhanced whole-heart coronary magnetic resonance angiography for simultaneous coronary artery angiography and myocardial viability in chronic myocardial infarction: A single-center preliminary study. Medicine. 2018. 97:e13138	Comparator
Cheng, A. S., Pegg, T. J., Karamitsos, T. D., Searle, N., Jerosch-Herold, M., Choudhury, R. P., Banning, A. P., Neubauer, S., Robson, M. D., Selvanayagam, J. B.. Cardiovascular magnetic resonance perfusion imaging at 3-tesla for the detection of coronary artery disease: a comparison with 1.5-tesla. Journal of the American College of Cardiology. 2007. 49:2440-9	Intervention
Cheng, L., Gao, Y., Guaricci, A. I., Mulukutla, S., Sun, W., Sheng, F., Foo, T. K., Prince, M. R., Wang, Y.. Breath-hold 3D steady-state free precession coronary MRA compared with conventional X-ray coronary angiography. Journal of Magnetic Resonance Imaging. 2006. 23:669-73	Setting
Cheng, L., Ma, L., Schoenhagen, P., Ye, H., Lou, X., Gao, Y., Zhao, X., Wang, X., Dong, W.. Comparison of three-dimensional volume-targeted thin-slab FIESTA magnetic resonance angiography and 64-multidetector computed tomographic angiography for the identification of proximal coronary stenosis. International Journal of Cardiology. 2013. 167:2969-76	Setting
Chi, Ctr Trc. The evaluation of no-reflow and long-term efficacy of AMI with Tongxinluo. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=ChiCTR TRC">http://www.who.int/trialsearch/Trial2.aspx?TrialID=ChiCTR TRC</a> . 2008. 08000206:#pages#	Study Design
ChiCtr. One-stop Low-Dose Coronary CT Angiography and Myocardial Perfusion: a Prospective Randomized Controlled Trial. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=ChiCTR1800016026..">http://www.who.int/trialsearch/Trial2.aspx?TrialID=ChiCTR1800016026..</a> 2018. #volume#:#pages#	Study Design
Chih, S., Macdonald, P. S., Feneley, M. P., Law, M., Graham, R. M., McCrohon, J. A.. Reproducibility of adenosine stress cardiovascular magnetic resonance in multi-vessel symptomatic coronary artery disease. Journal of Cardiovascular Magnetic Resonance. 2010. 12:42	Aim

Study Citation	Reason for Exclusion
Chih, S., Ross, H. J., Alba, A. C., Fan, C. S., Manlhiot, C., Crean, A. M.. Perfusion Cardiac Magnetic Resonance Imaging as a Rule-Out Test for Cardiac Allograft Vasculopathy. American Journal of Transplantation. 2016. 16:3007-3015	Population
Chiribiri, A., Hautvast, G. L., Lockie, T., Schuster, A., Bigalke, B., Olivotti, L., Redwood, S. R., Breeuwer, M., Plein, S., Nagel, E.. Assessment of coronary artery stenosis severity and location: quantitative analysis of transmural perfusion gradients by high-resolution MRI versus FFR. Jacc: Cardiovascular Imaging. 2013. 6:600-9	Intervention
Chiu, C. W., So, N. M., Lam, W. W., Chan, K. Y., Sanderson, J. E.. Combined first-pass perfusion and viability study at MR imaging in patients with non-ST segment-elevation acute coronary syndromes: feasibility study. Radiology. 2003. 226:717-22	Population
Choi, J. W., Gibson, C. M., Murphy, S. A., Davidson, C. J., Kim, R. J., Ricciardi, M. J.. Myonecrosis following stent placement: association between impaired TIMI myocardial perfusion grade and MRI visualization of microinfarction. Catheterization & Cardiovascular Interventions. 2004. 61:472-6	Population
Chou, Y. Y., Wang, C. J., Lin, C. H., Chung, H. T., Lo, F. S.. Association between cardiovascular anomalies and karyotypes in Turner syndrome patients in Taiwan: A local cohort study. Pediatrics & Neonatology. 2020. 61:188-194	Aim
Chuda, A., Berner, J., Lelonek, M.. The journey of the heart failure patient, based on data from a single center. Advances in Clinical & Experimental Medicine. 2019. 28:489-498	Population
Chung, H. W., Ko, S. M., Hwang, H. K., So, Y., Yi, J. G., Lee, E. J.. Diagnostic Performance of Coronary CT Angiography, Stress Dual-Energy CT Perfusion, and Stress Perfusion Single-Photon Emission Computed Tomography for Coronary Artery Disease: Comparison with Combined Invasive Coronary Angiography and Stress Perfusion Cardiac MRI. Korean Journal of Radiology. 2017. 18:476-486	Comparator
Chung, S. Y., Lee, K. Y., Chun, E. J., Lee, W. W., Park, E. K., Chang, H. J., Choi, S. I.. Comparison of stress perfusion MRI and SPECT for detection of myocardial ischemia in patients with angiographically proven three-vessel coronary artery disease. AJR. American Journal of Roentgenology. 2010. 195:356-62	Population
Chung, S., Shah, B., Storey, P., Iqbal, S., Slater, J., Axel, L.. Quantitative Perfusion Analysis of First-Pass Contrast Enhancement Kinetics: Application to MRI of Myocardial Perfusion in Coronary Artery Disease. PLoS ONE [Electronic Resource]. 2016. 11:e0162067	Other (please note rationale)
Chung, S... J Korean Radiol Soc. 2007. 56:25-31	Intervention
Cochet, A. A., Lorgis, L., Lalande, A., Zeller, M., Beer, J. C., Walker, P. M., Touzery, C., Wolf, J. E., Brunotte, F., Cottin, Y.. Major prognostic impact of persistent microvascular obstruction as assessed by contrast-enhanced cardiac magnetic resonance in reperfused acute myocardial infarction. European radiology. 2009. 19:2117-2126	Population
Coelho-Filho, Otavio R., Seabra, Luciana F., Mongeon, François-Pierre, Abdullah, Shuaib M., Francis, Sanjeev A., Blankstein, Ron, Di Carli, Marcelo F., Jerosch-Herold, Michael, Kwong, Raymond Y.. Stress Myocardial Perfusion Imaging by CMR Provides Strong Prognostic Value to Cardiac Events Regardless of Patient's Sex. JACC: Cardiovascular Imaging. 2011. 4:850-861	Aim
Colvin-Adams, M., Petros, S., Raveendran, G., Missov, E., Medina, E., Wilson, R.. Qualitative Perfusion Cardiac Magnetic Resonance Imaging Lacks Sensitivity in Detecting Cardiac Allograft Vasculopathy. Cardiology Research. 2011. 2:282-287	Population
Cook, S. C., Ferketich, A. K., Raman, S. V.. Myocardial ischemia in asymptomatic adults with repaired aortic coarctation. International Journal of Cardiology. 2009. 133:95-101	Population

Study Citation	Reason for Exclusion
Costa, M. A., Shoemaker, S., Futamatsu, H., Klassen, C., Angiolillo, D. J., Nguyen, M., Siuciak, A., Gilmore, P., Zenni, M. M., Guzman, L., Bass, T. A., Wilke, N.. Quantitative magnetic resonance perfusion imaging detects anatomic and physiologic coronary artery disease as measured by coronary angiography and fractional flow reserve. <i>Journal of the American College of Cardiology</i> . 2007. 50:514-22	Data level
Couto, M., Souto, M., Martinez, A., Maceira, A., Vieira, C., Pumar, J. M., Croisille, P.. Accuracy of right ventricular volume and function assessed with cardiovascular magnetic resonance: comparison with echocardiographic parameters. <i>Clinical Imaging</i> . 2020. 59:61-67	Comparator
Ctri. A clinical trial to compare Stress-rest MIBI-SPECT test with Coronary CT Angiography test as the initial test in the evaluation of patients at intermediate risk of coronary(Heart related) events - A Pilot Randomized Controlled Trial (MIBI-SPECT - Methoxyisobutyl Isonitrile-Single Photon-Emission Computed Tomography; CT-Computerized Tomography). <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=CTRI">http://www.who.int/trialsearch/Trial2.aspx?TrialID=CTRI</a> . 2010. 091:#pages#	Study Design
Cury, R. C., Cattani, C. A., Gabure, L. A., Racy, D. J., de Gois, J. M., Siebert, U., Lima, S. S., Brady, T. J.. Diagnostic performance of stress perfusion and delayed-enhancement MR imaging in patients with coronary artery disease. <i>Radiology</i> . 2006. 240:39-45	Data level
D'Ancona, G., Biondo, D., Mamone, G., Marrone, G., Pirone, F., Santise, G., Sciacca, S., Pilato, M.. Ischemic mitral valve regurgitation in patients with depressed ventricular function: cardiac geometrical and myocardial perfusion evaluation with magnetic resonance imaging. <i>European Journal of Cardio-Thoracic Surgery</i> . 2008. 34:964-8	Comparator
de Knegt, M. C., Rossi, A., Petersen, S. E., Wragg, A., Khurram, R., Westwood, M., Saberwal, B., Mathur, A., Nieman, K., Bamberg, F., Jensen, M. T., Pugliese, F.. Stress myocardial perfusion with qualitative magnetic resonance and quantitative dynamic computed tomography: comparison of diagnostic performance and incremental value over coronary computed tomography angiography. <i>European heart journal cardiovascular Imaging</i> . 2020. 08:08	Data level
de Mello, R. A., Nacif, M. S., dos Santos, A. A., Cury, R. C., Rochitte, C. E., Marchiori, E.. Diagnostic performance of combined cardiac MRI for detection of coronary artery disease. <i>European Journal of Radiology</i> . 2012. 81:1782-9	Setting
De Palma, R., Sorensson, P., Verouhis, D., Pernow, J., Saleh, N.. Quantification of myocardium at risk in ST- elevation myocardial infarction: a comparison of contrast-enhanced steady-state free precession cine cardiovascular magnetic resonance with coronary angiographic jeopardy scores. <i>Journal of Cardiovascular Magnetic Resonance</i> . 2017. 19:55	Population
De Silva, K., Foster, P., Guilcher, A., Bandara, A., Jogiya, R., Lockie, T., Chowiencyzk, P., Nagel, E., Marber, M., Redwood, S., Plein, S., Perera, D.. Coronary wave energy: a novel predictor of functional recovery after myocardial infarction. <i>Circulation: Cardiovascular Interventions</i> . 2013. 6:166-75	Population
Delacroix, S., Chokka, R. G., Nelson, A. J., Wong, D. T., Pederson, S., Nimmo, J., Rajwani, A., Williams, K., Teo, K. S., Worthley, S. G.. Effects of renal sympathetic denervation on myocardial structure, function and perfusion: A serial CMR study. <i>Atherosclerosis</i> . 2018. 272:207-215	Aim
Delgado, C., Vazquez, M., Oca, R., Vilar, M., Trinidad, C., Sanmartin, M.. Myocardial ischemia evaluation with dual-source computed tomography: comparison with magnetic resonance imaging. <i>Revista Espanola de Cardiologia</i> . 2013. 66:864-70	Data level
den Dekker, M. A. M., Pelgrim, G. J., Pundiute, G., van den Heuvel, E. R., Oudkerk, M., Vliegenthart, R.. Hemodynamic significance of coronary stenosis by vessel attenuation measurement on CT compared with adenosine perfusion MRI. <i>European Journal of Radiology</i> . 2015. 84:92-99	Population

Study Citation	Reason for Exclusion
DeSa, T. B., Abbasi, M. A., Blaisdell, J. A., Lin, K., Collins, J. D., Carr, J. C., Markl, M.. Semi-quantitative myocardial perfusion MRI in heart transplant recipients at rest: repeatability in healthy controls and assessment of cardiac allograft vasculopathy. Clinical Imaging. 2020. 61:62-68	Population
Deva, D. P., Torres, F. S., Wald, R. M., Roche, S. L., Jimenez-Juan, L., Oechslin, E. N., Crean, A. M.. The value of stress perfusion cardiovascular magnetic resonance imaging for patients referred from the adult congenital heart disease clinic: 5-year experience at the Toronto General Hospital. Cardiology in the Young. 2014. 24:822-30	Population
Dewey, M., Siebes, M., Kachelries, M., et al. Clinical quantitative cardiac imaging for the assessment of myocardial ischaemia. Nature Reviews Cardiology. 2020. 17:427-450	Intervention
Di Carli, M. F., Dorbala, S., Curillova, Z., Kwong, R. J., Goldhaber, S. Z., Rybicki, F. J., Hachamovitch, R.. Relationship between CT coronary angiography and stress perfusion imaging in patients with suspected ischemic heart disease assessed by integrated PET-CT imaging. Journal of Nuclear Cardiology. 2007. 14:799-809	Intervention
Di Cesare, E., Cademartiri, F., Carbone, I., Carriero, A., Centonze, M., De Cobelli, F., De Rosa, R., Di Renzi, P., Esposito, A., Faletti, R., Fattori, R., Francone, M., Giovagnoni, A., La Grutta, L., Ligabue, G., Lovato, L., Marano, R., Midiri, M., Romagnoli, A., Russo, V., Sardanelli, F., Natale, L., Bogaert, J., De Roos, A.. [Clinical indications for the use of cardiac MRI. By the SIRM Study Group on Cardiac Imaging]. Radiol Med. 2013. 118:752-98	Non-English
Dick, A., Schmidt, B., Michels, G., Bunck, A. C., Maintz, D., Baesler, B.. Left and right atrial feature tracking in acute myocarditis: A feasibility study. European Journal of Radiology. 2017. 89:72-80	Population
Doan, T. T., Molossi, S., Sachdeva, S., Wilkinson, J. C., Loar, R. W., Weigand, J. D., Schlingmann, T. R., Reaves-O'Neal, D. L., Pednekar, A. S., Masand, P., Noel, C. V.. Dobutamine stress cardiac MRI is safe and feasible in pediatric patients with anomalous aortic origin of a coronary artery (AAOCA). International Journal of Cardiology. 2021. 20:20	Intervention
Doesch, C., Seeger, A., Hoevelborn, T., Klumpp, B., Fenchel, M., Kramer, U., Schonfisch, B., Claussen, C. D., Gawaz, M., Miller, S., May, A. E.. Adenosine stress cardiac magnetic resonance imaging for the assessment of ischemic heart disease. Clinical Research in Cardiology. 2008. 97:905-12	Intervention
Donati, O. F., Alkadhi, H., Scheffel, H., et al. 3D fusion of functional cardiac magnetic resonance imaging and computed tomography coronary angiography: accuracy and added clinical value. Investigative Radiology. 2011. 46:331-40	Population
Donati, O. F., Scheffel, H., Stolzmann, P., Baumuller, S., Plass, A., Leschka, S., Alkadhi, H.. Combined cardiac CT and MRI for the comprehensive workup of hemodynamically relevant coronary stenoses. AJR. American Journal of Roentgenology. 2010. 194:920-6	Intervention
Donati, O. F., Stolzmann, P., Desbiolles, L., Leschka, S., Kozerke, S., Plass, A., Wyss, C., Falk, V., Marincek, B., Alkadhi, H., Scheffel, H.. Coronary artery disease: which degree of coronary artery stenosis is indicative of ischemia?. European Journal of Radiology. 2011. 80:120-6	Intervention
Dorfman, A. L., Odegard, K. C., Powell, A. J., Laussen, P. C., Geva, T.. Risk factors for adverse events during cardiovascular magnetic resonance in congenital heart disease. J Cardiovasc Magn Reson. 2007. 9:793-8	Intervention
Dowsley, T. F., Sheth, T., Chow, B. J. W.. Complementary pre-operative risk assessment using coronary computed tomography angiography and nuclear myocardial perfusion imaging in non-cardiac surgery: A VISION-CTA sub-study. Journal of Nuclear Cardiology. 2020. 27:1331-1337	Population

Study Citation	Reason for Exclusion
Doyle, M., Fuisz, A., Kortright, E., Biederman, R. W., Walsh, E. G., Martin, E. T., Tauxe, L., Rogers, W. J., Merz, C. N., Pepine, C., Sharaf, B., Pohost, G. M.. The impact of myocardial flow reserve on the detection of coronary artery disease by perfusion imaging methods: an NHLBI WISE study. <i>J Cardiovasc Magn Reson.</i> 2003. 5:475-85	Intervention
Doyle, M., Pohost, G. M., Merz, C. N., Shaw, L. J., Sopko, G., Rogers, W. J., Sharaf, B. L., Pepine, C. J., Vido-Thompson, D. A., Rayarao, G., Tauxe, L., Kelsey, S. F., Mc Nair, D., Biederman, R. W.. Improved diagnosis and prognosis using Decisions Informed by Combining Entities (DICE): results from the NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE). <i>Cardiovascular Diagnosis &amp; Therapy.</i> 2013. 3:216-27	Aim
Doyle, M., Weinberg, N., Pohost, G. M., et al. Prognostic value of global MR myocardial perfusion imaging in women with suspected myocardial ischemia and no obstructive coronary disease: results from the NHLBI-sponsored WISE (Women's Ischemia Syndrome Evaluation) study. <i>Jacc: Cardiovascular Imaging.</i> 2010. 3:1030-6	Aim
Duca, F., Kammerlander, A. A., Zotter-Tufaro, C., Aschauer, S., Schwaiger, M. L., Marzluf, B. A., Bonderman, D., Mascherbauer, J.. Interstitial Fibrosis, Functional Status, and Outcomes in Heart Failure With Preserved Ejection Fraction: Insights From a Prospective Cardiac Magnetic Resonance Imaging Study. <i>Circulation. Cardiovascular imaging.</i> 2016. 9:#pages#	Population
Duran, S. R., Huffaker, T., Dixon, B., Gooty, V., Abou Zahr, R., Arar, Y., Greer, J. S., Butts, R. J., Hussain, M. T.. Feasibility and safety of quantitative adenosine stress perfusion cardiac magnetic resonance imaging in pediatric heart transplant patients with and without coronary allograft vasculopathy. <i>Pediatric Radiology.</i> 2021. 01:01	Intervention
Durongpisithkul, K., Saiviroonporn, P., Soongswang, J., Laohaprasitiporn, D., Chanthong, P., Nana, A.. Pre-operative evaluation with magnetic resonance imaging in tetralogy of fallot and pulmonary atresia with ventricular septal defect. <i>Journal of the Medical Association of Thailand.</i> 2008. 91:350-5	Setting
Earls, J. P., Woodard, P. K., Abbara, S., Akers, S. R., Araoz, P. A., Cummings, K., Cury, R. C., Dorbala, S., Hoffmann, U., Hsu, J. Y., Jacobs, J. E., Min, J. K.. ACR appropriateness criteria asymptomatic patient at risk for coronary artery disease. <i>Journal of the American College of Radiology.</i> 2014. 11:12-9	Population
Ebersberger, U., Makowski, M. R., Schoepf, U. J., Platz, U., Schmidtler, F., Rose, J., Kessel, A., Roth, P., Antoni, D., Schnackenburg, B., Helmberger, T., Rieber, J., Hoffmann, E., Leber, A. W.. Magnetic resonance myocardial perfusion imaging at 3.0 Tesla for the identification of myocardial ischaemia: comparison with coronary catheter angiography and fractional flow reserve measurements. <i>European heart journal cardiovascular Imaging.</i> 2013. 14:1174-80	Intervention
Eitel, I., Behrendt, F., Schindler, K., Kivelitz, D., Gutberlet, M., Schuler, G., Thiele, H.. Differential diagnosis of suspected apical ballooning syndrome using contrast-enhanced magnetic resonance imaging. <i>European Heart Journal.</i> 2008. 29:2651-9	Population
Elkington, A. G., Gatehouse, P. D., Ablitt, N. A., Yang, G. Z., Firmin, D. N., Pennell, D. J.. Interstudy reproducibility of quantitative perfusion cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2005. 7:815-22	Other (please note rationale)
Elkington, A. G., Gatehouse, P. D., Prasad, S. K., Moon, J. C., Firmin, D. N., Pennell, D. J.. Combined long- and short-axis myocardial perfusion cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2004. 6:811-6	Aim
Elkington, A. G., He, T., Gatehouse, P. D., Prasad, S. K., Firmin, D. N., Pennell, D. J.. Optimization of the arterial input function for myocardial perfusion cardiovascular magnetic resonance. <i>Journal of Magnetic Resonance Imaging.</i> 2005. 21:354-9	Aim

Study Citation	Reason for Exclusion
Emans, M. E., van der Putten, K., Velthuis, B. K., de Vries, J. J., Cramer, M. J., America, Y. G., Hillege, H. L., Meiss, L., Doevedans, P. A., Braam, B., Gaillard, C. A.. Atherosclerotic renal artery stenosis is prevalent in cardiorenal patients but not associated with left ventricular function and myocardial fibrosis as assessed by cardiac magnetic resonance imaging. BMC cardiovascular disorders. 2012. 12:#pages#	Aim
Engblom, H., Xue, H., Akil, S., Carlsson, M., Hindorf, C., Oddstig, J., Hedeer, F., Hansen, M. S., Aletras, A. H., Kellman, P., Arheden, H.. Fully quantitative cardiovascular magnetic resonance myocardial perfusion ready for clinical use: a comparison between cardiovascular magnetic resonance imaging and positron emission tomography. Journal of Cardiovascular Magnetic Resonance. 2017. 19:78	Comparator
Engel, L. C., Landmesser, U., Goehler, A., Gigengack, K., Wurster, T. H., Manes, C., Girke, G., Jaguszewski, M., Skurk, C., Leistner, D. M., Lauten, A., Schuster, A., Noutsias, M., Hamm, B., Botnar, R. M., Bigalke, B., Makowski, M. R.. Noninvasive Imaging of Endothelial Damage in Patients With Different HbA <sub>1c</sub> Levels: A Proof-of-Concept Study. Diabetes. 2019. 68:387-394	Outcomes
Espinola-Zavaleta, N., Soto, M. E., Bauk, L., Miguel Casanova, J., Keirns, C., Avila Vanzini, N., Reyes, P.. Coronary reserve in Takayasu's arteritis: transesophageal echocardiographic analysis. Echocardiography. 2005. 22:593-8	Population
Estornell-Erill, J., Igual-Munoz, B., Monmeneu-Menadas, J. V., Soriano-Navarro, C., Valle-Munoz, A., Vilar-Herrero, J. V., Perez-Bosca, L., Paya-Serrano, R., Martinez-Alzamora, N., Ridocci-Soriano, F.. Etiological diagnosis of left ventricular dysfunction: computed tomography compared with coronary angiography and cardiac magnetic resonance. Revista Espanola de Cardiologia. 2012. 65:517-24	Population
Eucr, A. T.. Digitoxin to improve outcomes in patients with advanced systolic chronic heart failure. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2013">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2013</a> . 2013. #volume#:#pages#	Study Design
Eucr, D. E.. A Multi-Centre, Double-Blind, Placebo-Controlled, Ascending-Dose, Clinical Trial of Intra-venous Microplasmin Administration in Patients with Acute Ischemic Stroke - MITI-IV. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2005">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2005</a> . 2005. #volume#:#pages#	Study Design
Eucr, D. E.. Ferric Carboxymaltose Versus Placebo in Patients with Congestive Heart Failure. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2012">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2012</a> . 2012. #volume#:#pages#	Study Design
Eucr, D. E.. SAFETY AND EFFICACY OF SITAGLIPTIN PLUS GRANULOCYTE-COLONY STIMULATING FACTOR IN PATIENTS SUFFERING FROM ACUTE MYOCARDIAL INFARCTION - SITAGRAMI-Trial - SITAGRAMI-TRIAL. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2007">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2007</a> . 2007. #volume#:#pages#	Study Design
Eucr, D. K.. An MR-scan study of Liraglutide on cardiac function and cardiac blood flow in patients with type 2 diabetes and impaired filling of the heart. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2015">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2015</a> . 2015. #volume#:#pages#	Study Design
Eucr, G. B.. A 30 day study to evaluate efficacy and safety of pre-hospital vs. in-hospital initiation of ticagrelor therapy in STEMI patients planned for PCI. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2011">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2011</a> . 2011. #volume#:#pages#	Study Design
Eucr, G. B.. A Phase II, Open-label, Randomized, Multicenter Study to Assess the Safety and Cardiovascular Effects of MyoCell[TM] Implantation by a Catheter Delivery System in Congestive Heart Failure Patients Post Myocardial Infarction(s) - SEISMIC. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2004">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2004</a> . 2004. #volume#:#pages#	Study Design

Study Citation	Reason for Exclusion
Eucr, G. B.. A Proof of Biological Efficacy Study Assessing the Potential of Piboserod a Specific 5-HT4 Antagonist for the Treatment of Symptomatic Congestive Heart Failure in stable outpatients NYHA class II-III on top of Usual Evidence Based Pharmacological treatment. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2005">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2005</a> . 2005. #volume#:#pages#	Study Design
Eucr, G. B.. Effect of active vitamin D (calcitriol) on left ventricular hypertrophy in type 2 diabetic patients with chronic kidney disease. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2011">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2011</a> . 2011. #volume#:#pages#	Study Design
Eucr, G. B.. Effects of intravenous serelaxin infusion on micro- and macrovascular function in patients with coronary artery disease. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2012">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2012</a> . 2012. #volume#:#pages#	Study Design
Eucr, G. B.. MINeralocorticoid receptor antagonist pretreatment to MINIMISE reperfusion injury after ST-Elevation Myocardial Infarction (STEMI). <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2013">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2013</a> . 2013. #volume#:#pages#	Study Design
Eucr, G. B.. MVO Study. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2010">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2010</a> . 2010. #volume#:#pages#	Study Design
Eucr, G. B.. Quantitative Assessment of Myocardial Perfusion with Magnetic Resonance Using an Intravascular Contrast Agent. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2008">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2008</a> . 2008. #volume#:#pages#	Study Design
Eucr, H. U.. The effects of Nitric Oxide for Inhalation on MYocardial Infarction Size. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2007">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2007</a> . 2007. #volume#:#pages#	Study Design
Eucr, N. L.. COMPARison of pre-hospital CRUSHed vs. uncrushed Prasugrel tablets in patients with acute heart infarct undergoing dopter treatment. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2017">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2017</a> . 2017. #volume#:#pages#	Study Design
Eucr, P. L.. A randomized, prospective, double-blind study with placebo to evaluate the efficacy of treatment of patients with angina resistant to pharmacological treatment and induced myocardial ischemia without possibility of effective revascularization, using isolated from bone marrow, autologous CD133+ cells administered directly into the muscle of left ventricle. REGENT-VSEL Study. - REGENT VSEL. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2011">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2011</a> . 2011. #volume#:#pages#	Study Design
Eucr, P. L.. Regeneration of ischemic damages in cardiovascular system using Wharton's jelly as an unlimited source of mesenchymal stem cells for regenerative medicine. Project of the National Centre for Research and Development (Poland) 'STRATEGMED II'. Cardiovascular Clinical Project to Evaluate the Regenerative Capacity of CardioCell in patients with acute myocardial infarction (AMI). <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2016">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2016</a> . 2016. #volume#:#pages#	Study Design
Eucr, P. L.. Regeneration of ischemic damages in cardiovascular system using Wharton's jelly as an unlimited source of mesenchymal stem cells for regenerative medicine. Project of the National Centre for Research and Development (Poland) 'STRATEGMED II' Randomized Clinical Trial to Evaluate the Regenerative Capacity of CardioCell in patients with Chronic Ischaemic Heart Failure (CIHF). <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2016">http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2016</a> . 2016. #volume#:#pages#	Study Design
Everaars, H., van Diemen, P. A., Bom, M. J., Schumacher, S. P., de Winter, R. W., van de Ven, P. M., Rajmakers, P. G., Lammertsma, A. A., Hofman, M. B. M., van der Geest, R. J., Gotte, M. J., van Rossum, A. C., Nijveldt, R., Danad, I., Driessen, R. S., Knaapen, P.. Comparison between quantitative cardiac magnetic resonance perfusion imaging and [ <sup>15</sup> O]H <sub>2</sub> O positron emission tomography. European Journal of Nuclear Medicine & Molecular Imaging. 2020. 47:1688-1697	Comparator

Study Citation	Reason for Exclusion
Expert Panel on Cardiac Imaging, White, R. D., Kirsch, J., Bolen, M. A., Batlle, J. C., Brown, R. K. J., Eberhardt, R. T., Hurwitz, L. M., Inacio, J. R., Jin, J. O., Krishnamurthy, R., Leipsic, J. A., Rajiah, P., Shah, A. B., Singh, S. P., Villines, T. C., Zimmerman, S. L., Abbara, S.. ACR Appropriateness Criteria <sup>R</sup> Suspected New-Onset and Known Nonacute Heart Failure. Journal of the American College of Radiology. 2018. 15:S418-S431	Population
Fahlenkamp, U. L., Lembcke, A., Roesler, R., Schwenke, C., Huppertz, A., Streitparth, F., Taupitz, M., Hamm, B., Wagner, M.. ECG-gated imaging of the left atrium and pulmonary veins: Intra-individual comparison of CTA and MRA. Clinical Radiology. 2013. 68:1059-64	Outcomes
Fair, M. J., Gatehouse, P. D., Reyes, E., Adluru, G., Mendes, J., Khan, T., de Silva, R., Wage, R., DiBella, E. V. R., Firmin, D. N.. Initial investigation of free-breathing 3D whole-heart stress myocardial perfusion MRI. Global Cardiology Science & Practice. 2020. 2020:e202038	Aim
Fanning, J. P., Nyong, J., Scott, I. A., Aroney, C. N., Walters, D. L.. Routine invasive strategies versus selective invasive strategies for unstable angina and non-ST elevation myocardial infarction in the stent era. Cochrane Database of Systematic Reviews. 2016. #volume#:#pages#	Intervention
Farzaneh-Far, A., Wong, J.. Stressed enough? Hyperaemic thresholds during quantitative cardiovascular magnetic resonance perfusion mapping. European heart journal cardiovascular Imaging. 2021. 22:282-284	Study Design
Feger, S., Rief, M., Zimmermann, E., Richter, F., Roehle, R., Dewey, M., Schonenberger, E.. Patient satisfaction with coronary CT angiography, myocardial CT perfusion, myocardial perfusion MRI, SPECT myocardial perfusion imaging and conventional coronary angiography. European Radiology. 2015. 25:2115-24	Intervention
Fenchel, M., Franow, A., Martirosian, P., Engels, M., Kramer, U., Stauder, N. I., Helber, U., Vogler, H., Claussen, C. D., Miller, S.. 1 M Gd-chelate (gadobutrol) for multislice first-pass magnetic resonance myocardial perfusion imaging. British Journal of Radiology. 2007. 80:884-92	Study Design
Ferrari, V. A., Scott, C. H., Holland, G. A., Axel, L., Sutton, M. S.. Ultrafast three-dimensional contrast-enhanced magnetic resonance angiography and imaging in the diagnosis of partial anomalous pulmonary venous drainage. J Am Coll Cardiol. 2001. 37:1120-8	Population
Ferreira, António Miguel, Marques, Hugo, Gonçalves, Pedro Araújo, Cardim, Nuno. Custo-Efetividade de Diferentes Estratégias Diagnósticas de Doença Coronária Estável em Portugal. Arquivos Brasileiros de Cardiologia. 2014. 102:391-402	Setting
Festa, P., Ait-Ali, L., Cerillo, A. G., De Marchi, D., Murzi, B.. Magnetic resonance imaging is the diagnostic tool of choice in the preoperative evaluation of patients with partial anomalous pulmonary venous return. The International Journal of Cardiovascular Imaging. 2006. 22:685-93	Population
Fihn, Stephan D., Blankenship, James C., Alexander, Karen P., Bittl, John A., Byrne, John G., Fletcher, Barbara J., Fonarow, Gregg C., Lange, Richard A., Levine, Glenn N., Maddox, Thomas M., Naidu, Srihari S., Ohman, E. Magnus, Smith, Peter K.. 2014 ACC/AHA/AATS/PCNA/SCAI/STS Focused Update of the Guideline for the Diagnosis and Management of Patients With Stable Ischemic Heart Disease. Circulation. 2014. 130:1749-1767	Publication Date
Foley, James R. J., Kidambi, Ananth, Biglands, John D., Maredia, Neil, Dickinson, Catherine J., Plein, Sven, Greenwood, John P.. A comparison of cardiovascular magnetic resonance and single photon emission computed tomography (SPECT) perfusion imaging in left main stem or equivalent coronary artery disease: a CE-MARC substudy. Journal of Cardiovascular Magnetic Resonance. 2017. 19:84	Other (please note rationale)

Study Citation	Reason for Exclusion
Fragasso, G., Perseghin, G., De Cobelli, F., Esposito, A., Pallosi, A., Lattuada, G., Scifo, P., Calori, G., Del Maschio, A., Margonato, A.. Effects of metabolic modulation by trimetazidine on left ventricular function and phosphocreatine/adenosine triphosphate ratio in patients with heart failure. European Heart Journal. 2006. 27:942-8	Population
Freed, B. H., Narang, A., Bhave, N. M., Czobor, P., Mor-Avi, V., Zaran, E. R., Turner, K. M., Cavanaugh, K. P., Chandra, S., Tanaka, S. M., Davidson, M. H., Lang, R. M., Patel, A. R.. Prognostic value of normal regadenoson stress perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance. 2013. 15:108	Aim
Friedrich, M. G., Sechtem, U., Schulz-Menger, J., et al. Cardiovascular magnetic resonance in myocarditis: A JACC White Paper. Journal of the American College of Cardiology. 2009. 53:1475-87	Population
Frohlich, G. M., Schoch, B., Wolfrum, M., Osranek, M., Enseleit, F., Herzog, B. A., Hasun, M., Luscher, T. F., Meier, P., Gaemperli, O., Kaufmann, P. A., Corti, R.. The impact of modern noninvasive cardiac imaging on coronary intervention rates. Journal of Interventional Cardiology. 2014. 27:50-7	Intervention
Fukami, T., Sato, H., Wu, J., Lwin, T. T., Yuasa, T., Kawano, S., Iida, K., Akatsuka, T., Hontani, H., Takeda, T., Tamura, M., Yokota, H.. Quantitative evaluation of myocardial function by a volume-normalized map generated from relative blood flow. Physics in Medicine & Biology. 2007. 52:4311-30	Study Design
Fussen, S., De Boeck, B. W., Zellweger, M. J., Bremerich, J., Goetschalckx, K., Zuber, M., Buser, P. T.. Cardiovascular magnetic resonance imaging for diagnosis and clinical management of suspected cardiac masses and tumours. European Heart Journal. 2011. 32:1551-60	Population
Futamatsu, H., Klassen, C., Pilla, M., Wilke, N., Angiolillo, D. J., Smalheiser, S., Siuciak, A., Suzuki, N., Bass, T. A., Costa, M. A.. Diagnostic accuracy of quantitative cardiac MRI evaluation compared to stress single-photon-emission computed tomography. The International Journal of Cardiovascular Imaging. 2008. 24:293-9	Data level
Futamatsu, H., Wilke, N., Klassen, C., Shoemaker, S., Angiolillo, D. J., Siuciak, A., Morikawa-Futamatsu, K., Suzuki, N., von Ziegler, F., Bass, T. A., Costa, M. A.. Evaluation of cardiac magnetic resonance imaging parameters to detect anatomically and hemodynamically significant coronary artery disease. American Heart Journal. 2007. 154:298-305	Data level
Galinanes, M., Loubani, M., Sensky, P. R., Hassouna, A., Cherryman, G. R., Leverment, J. N., Samani, N. J.. Efficacy of transmyocardial laser revascularization and thoracic sympathectomy for the treatment of refractory angina. Annals of Thoracic Surgery. 2004. 78:122-8	Intervention
Garceau, P., Nguyen, E. T., Carasso, S., Ross, H., Pendergrast, J., Moravsky, G., Bruchal-Garbicza, B., Rakowski, H.. Quantification of myocardial iron deposition by two-dimensional speckle tracking in patients with beta-thalassaemia major and Blackfan-Diamond anaemia. Heart. 2011. 97:388-93	Population
Garg, P., Aziz, R., Al Musa, T., Ripley, D. P., Haaf, P., Foley, J. R. J., Swoboda, P. P., Fent, G. J., Dobson, L. E., Greenwood, J. P., Plein, S.. Effects of hyperaemia on left ventricular longitudinal strain in patients with suspected coronary artery disease : A first-pass stress perfusion cardiovascular magnetic resonance imaging study. Netherlands Heart Journal. 2018. 26:85-93	Study Design
Gatehouse, P. D., Elkington, A. G., Abblitt, N. A., Yang, G. Z., Pennell, D. J., Firmin, D. N.. Accurate assessment of the arterial input function during high-dose myocardial perfusion cardiovascular magnetic resonance. Journal of Magnetic Resonance Imaging. 2004. 20:39-45	Aim

Study Citation	Reason for Exclusion
Gaudio, C., Tanzilli, G., Vittore, A., Arca, M., Barilla, F., Di Michele, S., Minardi, G., Fedele, F., Lombardi, M., Donato, L.. Detection of coronary artery stenoses using breath-hold magnetic resonance coronary angiography. Comparison with conventional x-ray angiography. European Review for Medical & Pharmacological Sciences. 2004. 8:121-8	Data level
Ge, Y., Pandya, A., Steel, K., et al. Cost-Effectiveness Analysis of Stress Cardiovascular Magnetic Resonance Imaging for Stable Chest Pain Syndromes. JACC Cardiovasc Imaging. 2020. 13:1505-1517	Intervention
Gebker, R., Frick, M., Jahnke, C., Berger, A., Schneeweis, C., Manka, R., Kelle, S., Klein, C., Schnackenburg, B., Fleck, E., Paetsch, I.. Value of additional myocardial perfusion imaging during dobutamine stress magnetic resonance for the assessment of intermediate coronary artery disease. The International Journal of Cardiovascular Imaging. 2012. 28:89-97	Intervention
Gebker, R., Jahnke, C., Hucko, T., Manka, R., Mirelis, J. G., Hamdan, A., Schnackenburg, B., Fleck, E., Paetsch, I.. Dobutamine stress magnetic resonance imaging for the detection of coronary artery disease in women. Heart. 2010. 96:616-20	Intervention
Gebker, R., Jahnke, C., Manka, R., Frick, M., Hucko, T., Kozerke, S., Schnackenburg, B., Fleck, E., Paetsch, I.. High spatial resolution myocardial perfusion imaging during high dose dobutamine/atropine stress magnetic resonance using k-t SENSE. International Journal of Cardiology. 2012. 158:411-6	Intervention
Gebker, R., Jahnke, C., Manka, R., Hamdan, A., Schnackenburg, B., Fleck, E., Paetsch, I.. Additional value of myocardial perfusion imaging during dobutamine stress magnetic resonance for the assessment of coronary artery disease. Circulation. Cardiovascular imaging. 2008. 1:122-30	Intervention
Gebker, R., Jahnke, C., Paetsch, I., Kelle, S., Schnackenburg, B., Fleck, E., Nagel, E.. Diagnostic performance of myocardial perfusion MR at 3 T in patients with coronary artery disease. Radiology. 2008. 247:57-63	Intervention
Gebker, R., Jahnke, C., Paetsch, I., Schnackenburg, B., Kozerke, S., Bornstedt, A., Fleck, E., Nagel, E.. MR myocardial perfusion imaging with k-space and time broad-use linear acquisition speed-up technique: feasibility study. Radiology. 2007. 245:863-71	Intervention
Genders, T. S., Petersen, S. E., Pugliese, F., Dastidar, A. G., Fleischmann, K. E., Nieman, K., Hunink, M. G.. The optimal imaging strategy for patients with stable chest pain: a cost-effectiveness analysis. Annals of Internal Medicine. 2015. 162:474-84	Publication Date
George, R. T., Arbab-Zadeh, A., Cerci, R. J., Vavere, A. L., Kitagawa, K., Dewey, M., Rochitte, C. E., Arai, A. E., Paul, N., Rybicki, F. J., Lardo, A. C., Clouse, M. E., Lima, J. A.. Diagnostic performance of combined noninvasive coronary angiography and myocardial perfusion imaging using 320-MDCT: the CT angiography and perfusion methods of the CORE320 multicenter multinational diagnostic study. AJR. American Journal of Roentgenology. 2011. 197:829-37	Intervention
Gerbaud, E., Cochet, H., Bullier, E., Ragot, C., Gilbert, S. H., Douard, H., Pucheu, Y., Laurent, F., Coste, P., Bordenave, L., Montaudon, M.. Peri-infarct ischaemia assessed by cardiovascular MRI: comparison with quantitative perfusion single photon emission CT imaging. British Journal of Radiology. 2014. 87:20130774	Population
Gerretsen, S., Kessels, A. G., Nelemans, P. J., Dijkstra, J., Reiber, J. H., van der Geest, R. J., Katoh, M., Waltenberger, J., van Engelshoven, J. M., Botnar, R. M., Kooi, M. E., Leiner, T.. Detection of coronary plaques using MR coronary vessel wall imaging: validation of findings with intravascular ultrasound. European Radiology. 2013. 23:115-24	Comparator

Study Citation	Reason for Exclusion
Geva, T., Greil, G. F., Marshall, A. C., Landzberg, M., Powell, A. J.. Gadolinium-enhanced 3-dimensional magnetic resonance angiography of pulmonary blood supply in patients with complex pulmonary stenosis or atresia: comparison with x-ray angiography. Circulation. 2002. 106:473-8	Other (please note rationale)
Gharib, A. M., Zahiri, H., Matta, J., Pettigrew, R. I., Abd-Elmoniem, K. Z.. Feasibility of coronary artery wall thickening assessment in asymptomatic coronary artery disease using phase-sensitive dual-inversion recovery MRI at 3T. Magnetic Resonance Imaging. 2013. 31:1051-8	Population
Ghekiere, O., Bielen, J., Leipsic, J., Dewilde, W., Mancini, I., Hansen, D., Dendale, P., Nchimi, A.. Correlation of FFR-derived from CT and stress perfusion CMR with invasive FFR in intermediate-grade coronary artery stenosis. The International Journal of Cardiovascular Imaging. 2019. 35:559-568	Outcomes
Ghekiere, O., Dacher, J. N., Dewilde, W., Mancini, I., Cools, W., Vanhoenacker, P. K., Dendale, P., Lancellotti, P., de Roos, A., Nchimi, A.. Value of Relative Myocardial Perfusion at MRI for Fractional Flow Reserve-Defined Ischemia: A Pilot Study. AJR Am J Roentgenol. 2019. #volume#:1-8	Data level
Ghiasi, M. M., Zendehboudi, S., Mohsenipour, A. A.. Decision tree-based diagnosis of coronary artery disease: CART model. Computer Methods & Programs in Biomedicine. 2020. 192:105400	Study Design
Giang, T. H., Nanz, D., Coulden, R., Friedrich, M., Graves, M., Al-Saadi, N., Luscher, T. F., von Schulthess, G. K., Schwitter, J.. Detection of coronary artery disease by magnetic resonance myocardial perfusion imaging with various contrast medium doses: first European multi-centre experience. European Heart Journal. 2004. 25:1657-65	Intervention
Gibson, C. M., Schomig, A.. Coronary and myocardial angiography: angiographic assessment of both epicardial and myocardial perfusion. Circulation. 2004. 109:3096-3105	Study Design
Godoy, G. K., Vavere, A., Miller, J. M., Chahal, H., Niinuma, H., Lemos, P., Hoe, J., Paul, N., Clouse, M. E., Ramos, C. D., Lima, J. A., Arbab-Zadeh, A.. Quantitative coronary arterial stenosis assessment by multidetector CT and invasive coronary angiography for identifying patients with myocardial perfusion abnormalities. Journal of nuclear cardiology. 2012. 19:922-930	Intervention
Gonschior, P., Pragst, I., Valassis, G., Vogel-Wiens, C., Huber, A.. High-resolution MR angiography: results in diseased arteries. Journal of Invasive Cardiology. 2001. 13:151-7; discussion 158-70	Data level
Gotschy, A., Wissmann, L., Goolaub, D. S., Niemann, M., Hamada, S., Kozerke, S., Manka, R.. First fusion and combined evaluation of 3D-CMR perfusion with 3D-MR coronary angiography. International Journal of Cardiology. 2016. 202:62-3	Study Design
Gowdak, L. H., Schetttert, I. T., Rochitte, C. E., Lisboa, L. A., Dallan, L. A., Cesar, L. A., de Oliveira, S. A., Krieger, J. E.. Early increase in myocardial perfusion after stem cell therapy in patients undergoing incomplete coronary artery bypass surgery. Journal of Cardiovascular Translational Research. 2011. 4:106-13	Intervention
Grafe, D., Gutberlet, M., Mende, M., Dahmert, I., Lucke, C., Kostelka, M., Nitzsche, S., Hoffmann, J., Grothoff, M.. Cross-sectional Areas of the Thoracic Aorta in Children and Adolescents With Repaired Tetralogy of Fallot Obtained by Cardiac Magnetic Resonance Angiography. Journal of Thoracic Imaging. 2018. 33:105-111	Population
Grandhi, G. R., Batlle, J. C., Maroules, C. D., Janowitz, W., Pena, C. S., Ziffer, J. A., Macedo, R., Nasir, K., Cury, R. C.. Combined stress myocardial CT perfusion and coronary CT angiography as a feasible strategy among patients presenting with acute chest pain to the emergency department. Journal of cardiovascular computed tomography. 2021. 15:129-136	Setting

Study Citation	Reason for Exclusion
Greenwood, J. P., Ripley, D. P., Berry, C., et al. Effect of Care Guided by Cardiovascular Magnetic Resonance, Myocardial Perfusion Scintigraphy, or NICE Guidelines on Subsequent Unnecessary Angiography Rates: The CE-MARC 2 Randomized Clinical Trial. <i>JAMA</i> . 2016; 316:1051-60	Intervention
Greenwood, J. P., Younger, J. F., Ridgway, J. P., Sivananthan, M. U., Ball, S. G., Plein, S.. Safety and diagnostic accuracy of stress cardiac magnetic resonance imaging vs exercise tolerance testing early after acute ST elevation myocardial infarction. <i>Heart</i> . 2007; 93:1363-8	Population
Greulich, S., Steubing, H., Birkmeier, S., Grun, S., Bentz, K., Sechtem, U., Mahrholdt, H.. Impact of arrhythmia on diagnostic performance of adenosine stress CMR in patients with suspected or known coronary artery disease. <i>J Cardiovasc Magn Reson</i> . 2015; 17:94	Intervention
Groothuis, J. G., Beek, A. M., Brinckman, S. L., Meijerink, M. R., van den Oever, M. L., Hofman, M. B., van Kuijk, C., van Rossum, A. C.. Combined non-invasive functional and anatomical diagnostic work-up in clinical practice: the magnetic resonance and computed tomography in suspected coronary artery disease (MARCC) study. <i>European Heart Journal</i> . 2013; 34:1990-8	Intervention
Groothuis, J. G., Beek, A. M., Brinckman, S. L., Meijerink, M. R., Koestner, S. C., Nijveldt, R., Gotte, M. J., Hofman, M. B., van Kuijk, C., van Rossum, A. C.. Low to intermediate probability of coronary artery disease: comparison of coronary CT angiography with first-pass MR myocardial perfusion imaging. <i>Radiology</i> . 2010; 254:384-92	Intervention
Groothuis, J. G., Kremers, F. P., Beek, A. M., Brinckman, S. L., Tuinenburg, A. C., Jerosch-Herold, M., van Rossum, A. C., Hofman, M. B.. Comparison of dual to single contrast bolus magnetic resonance myocardial perfusion imaging for detection of significant coronary artery disease. <i>Journal of Magnetic Resonance Imaging</i> . 2010; 32:88-93	Data level
Group, Asci Practice Guideline Working, Beck, K. S., Kim, J. A., Choe, Y. H., Hian, S. K., Hoe, J., Hong, Y. J., Kim, S. M., Kim, T. H., Kim, Y. J., Kim, Y. H., Kurabayashi, S., Lee, J., Leong, L., Lim, T. H., Lu, B., Park, J. H., Sakuma, H., Yang, D. H., Yaw, T. S., Wan, Y. L., Zhang, Z., Zhao, S., Yong, H. S.. 2017 Multimodality Appropriate Use Criteria for Noninvasive Cardiac Imaging: Expert Consensus of the Asian Society of Cardiovascular Imaging. <i>Korean Journal of Radiology</i> . 2017; 18:871-880	Intervention
Gulati, A., Ismail, T. F., Ali, A., Hsu, L. Y., Goncalves, C., Ismail, N. A., Krishnathasan, K., Davendralingam, N., Ferreira, P., Halliday, B. P., Jones, D. A., Wage, R., Newsome, S., Gatehouse, P., Firmin, D., Jabbour, A., Assomull, R. G., Mathur, A., Pennell, D. J., Arai, A. E., Prasad, S. K.. Microvascular Dysfunction in Dilated Cardiomyopathy: A Quantitative Stress Perfusion Cardiovascular Magnetic Resonance Study. <i>Jacc: Cardiovascular Imaging</i> . 2019; 12:1699-1708	Comparator
Gyllenhammar, T., Kanski, M., Engblom, H., Wuttge, D. M., Carlsson, M., Hesselstrand, R., Arheden, H.. Decreased global myocardial perfusion at adenosine stress as a potential new biomarker for microvascular disease in systemic sclerosis: a magnetic resonance study. <i>BMC Cardiovascular Disorders</i> . 2018; 18:16	Population
Habis, M., Capderou, A., Sigal-Cinqualbre, A., Ghostine, S., Rahal, S., Riou, J. Y., Brenot, P., Angel, C. Y., Paul, J. F.. Comparison of delayed enhancement patterns on multislice computed tomography immediately after coronary angiography and cardiac magnetic resonance imaging in acute myocardial infarction. <i>Heart</i> . 2009; 95:624-9	Population

Study Citation	Reason for Exclusion
Haeck, J. D., Kuijt, W. J., Koch, K. T., Bilodeau, L., Henriques, J. P., Rohling, W. J., Baan, J., Vis, M. M., Nijveldt, R., van Geloven, N., Groenink, M., Piek, J. J., Tijssen, J. G., Krucoff, M. W., De Winter, R. J.. Infarct size and left ventricular function in the PROximal Embolic Protection in Acute myocardial infarction and Resolution of ST-segment Elevation (PREPARE) trial: ancillary cardiovascular magnetic resonance study. Heart (British Cardiac Society). 2010. 96:190-195	Study Design
Haeusler, K. G., Jensen, C., Scheitz, J. F., Krause, T., Wollboldt, C., Witzenbichler, B., Audebert, H. J., Landmesser, U., Fiebach, J. B., Nolte, C. H., Endres, M., Mochmann, H. C.. Cardiac Magnetic Resonance Imaging in Patients with Acute Ischemic Stroke and Elevated Troponin: A TRoponin ELevation in Acute Ischemic Stroke (TRELAS) Sub-Study. Cerebrovascular Diseases Extra. 2019. 9:19-24	Study Design
Hallen, J., Jensen, J. K., Fagerland, M. W., Jaffe, A. S., Atar, D.. Cardiac troponin I for the prediction of functional recovery and left ventricular remodelling following primary percutaneous coronary intervention for ST-elevation myocardial infarction. Heart (British Cardiac Society). 2010. 96:1892-1897	Population
Hamada, S., Gotschy, A., Wissmann, L., Paetsch, I., Jahnke, C., Plein, S., Gebker, R., Oebel, S., Alkadhi, H., Marx, N., Luscher, T. F., Kozerke, S., Manka, R.. Multi-centre study of whole-heart dynamic 3D cardiac magnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: gender based analysis of diagnostic performance. European heart journal cardiovascular Imaging. 2017. 18:1099-1106	Intervention
Hamdan, A., Doltra, A., Huppertz, A., Wellnhofer, E., Fleck, E., Kelle, S.. Comparison of coronary magnetic resonance and computed tomography angiography for prediction of cardiovascular events. Jacc: Cardiovascular Imaging. 2014. 7:1063-5	Study Design
Han, F., Rapacchi, S., Khan, S., Ayad, I., Salusky, I., Gabriel, S., Plotnik, A., Finn, J. P., Hu, P.. Four-dimensional, multiphase, steady-state imaging with contrast enhancement (MUSIC) in the heart: a feasibility study in children. Magnetic Resonance in Medicine. 2015. 74:1042-9	Aim
Handayani, A., Triadyaksa, P., Dijkstra, H., Pelgrim, G. J., van Ooijen, P. M., Prakken, N. H., Schoepf, U. J., Oudkerk, M., Vliegenthart, R., Sijens, P. E.. Intermodel agreement of myocardial blood flow estimation from stress-rest myocardial perfusion magnetic resonance imaging in patients with coronary artery disease. Investigative Radiology. 2015. 50:275-82	Aim
Handberg, E., Bairey Merz, C. N., Wei, J., Minissian, M., Nelson, M., Thomson, L., Berman, D., Shaw, L. J., Cook-Wiens, G., Rogatko, A., Pepine, C. J.. Late sodium channel inhibition (ranolazine) improves angina and myocardial perfusion in patients with severe microvascular coronary dysfunction. European heart journal. 2016. 37:183-184	Study Design
Hansch, A., Heyne, J. P., Jung, C., Wolf, G., Pfeil, A.. Quantitative first pass perfusion in cardiovascular magnetic resonance for determination of peak ventricular transit time--a technique for evaluation of heart function. European Journal of Radiology. 2012. 81:e996-1001	Aim
Harloff, A., Mirzaee, H., Lodemann, T., Hagenlocher, P., Wehrum, T., Stuplich, J., Hennemuth, A., Hennig, J., Grundmann, S., Vach, W.. Determination of aortic stiffness using 4D flow cardiovascular magnetic resonance - a population-based study. Journal of Cardiovascular Magnetic Resonance. 2018. 20:43	Population
Harrison, A., Adluru, G., Damal, K., Shaaban, A. M., Wilson, B., Kim, D., McGann, C., Marrouche, N. F., DiBella, E. V.. Rapid ungated myocardial perfusion cardiovascular magnetic resonance: preliminary diagnostic accuracy. Journal of Cardiovascular Magnetic Resonance. 2013. 15:26	Other (please note rationale)

Study Citation	Reason for Exclusion
Hashimura, H., Kiso, K., Yamada, N., Kono, A., Morita, Y., Fukushima, K., Higashi, M., Noguchi, T., Ishibashi-Ueda, H., Naito, H., Sugimura, K.. Myocardial impairment detected by late gadolinium enhancement in hypertrophic cardiomyopathy: comparison with 99mTc-MIBI/tetrofosmin and 123I-BMIPP SPECT. Kobe Journal of Medical Sciences. 2013. 59:E81-92	Population
He, Y., Pang, J., Dai, Q., Fan, Z., An, J., Li, D.. Diagnostic Performance of Self-navigated Whole-Heart Contrast-enhanced Coronary 3-T MR Angiography. Radiology. 2016. 281:401-408	Setting
He, Y., Zhang, Z., Dai, Q., Zhou, Y., Yang, Y., Yu, W., An, J., Jin, L., Jerecic, R., Yuan, C., Li, D.. Accuracy of MRI to identify the coronary artery plaque: a comparative study with intravascular ultrasound. Journal of Magnetic Resonance Imaging. 2012. 35:72-8	Setting
Heermann, P., Heindel, W., Schulke, C.. Coronary Artery Anomalies: Diagnosis and Classification based on Cardiac CT and MRI (CMR) - from ALCAPA to Anomalies of Termination. Rofo: Fortschritte auf dem Gebiete der Rontgenstrahlen und der Nuklearmedizin. 2017. 189:29-38	Study Design
Hegde, V. A., Biederman, R. W., Mikolich, J. R.. Cardiovascular magnetic resonance imaging-incremental value in a series of 361 patients demonstrating cost savings and clinical benefits: an outcome-based study. Clin Med Insights Cardiol. 2017. 11:#pages#	Intervention
Hendriks, T., Al Ali, L., Maagdenberg, C. G., van Melle, J. P., Hummel, Y. M., Oudkerk, M., van Veldhuisen, D. J., Nijveldt, R., van der Horst, I. C. C., Lipsic, E., van der Harst, P.. Agreement of 2D transthoracic echocardiography with cardiovascular magnetic resonance imaging after ST-elevation myocardial infarction. European journal of radiology. 2019. 114:6-13	Comparator
Henein, M. Y., Bengrid, T., Nicoll, R., Zhao, Y., Johansson, B., Schermund, A.. Coronary calcification compromises myocardial perfusion irrespective of luminal stenosis. International Journal of Cardiology. Heart & Vasculature. 2017. 14:41-45	Comparator
Henningsson, M., Shome, J., Bratis, K., Vieira, M. S., Nagel, E., Botnar, R. M.. Diagnostic performance of image navigated coronary CMR angiography in patients with coronary artery disease. Journal of Cardiovascular Magnetic Resonance. 2017. 19:68	Intervention
Herborn, C. U., Schmidt, M., Bruder, O., Nagel, E., Shamsi, K., Barkhausen, J.. MR coronary angiography with SH L 643 A: initial experience in patients with coronary artery disease. Radiology. 2004. 233:567-73	Population
Hernandez, L. E.. Myocardial stress perfusion magnetic resonance in children with hypertrophic cardiomyopathy. Cardiology in the Young. 2018. 28:702-708	Intervention
Herrey, A. S., Francis, J. M., Hughes, M., Ntusi, N. A. B.. Cardiovascular magnetic resonance can be undertaken in pregnancy and guide clinical decision-making in this patient population. European heart journal cardiovascular Imaging. #year#. 20:291-297	Intervention
Heydari, B., Juan, Y. H., Liu, H., Abbasi, S., Shah, R., Blankstein, R., Steigner, M., Jerosch-Herold, M., Kwong, R. Y.. Stress Perfusion Cardiac Magnetic Resonance Imaging Effectively Risk Stratifies Diabetic Patients With Suspected Myocardial Ischemia. Circulation. Cardiovascular imaging. 2016. 9:e004136	Aim
Higashikawa, T., Ichikawa, Y., Ishida, M., Kitagawa, K., Hirano, T., Sakuma, H.. Assessment of coronary flow velocity reserve with phase-contrast cine magnetic resonance imaging in patients with heavy coronary calcification. The International Journal of Cardiovascular Imaging. 2019. 35:897-905	Data level
Hoffmann, U., Akers, S. R., Brown, R. K. J., et al. ACR appropriateness criteria acute nonspecific chest painlow probability of coronary artery disease. Journal of the American College of Radiology. Part 12B. 1266. 12:#pages#	Publication Date

Study Citation	Reason for Exclusion
Hoffmann, U., Akers, S. R., Brown, R. K., et al. ACR Appropriateness Criteria Acute Nonspecific Chest Pain-Low Probability of Coronary Artery Disease. <i>Journal of the American College of Radiology</i> . 2015. 12:1266-71	Population
Hoffmann, U., Venkatesh, V., White, R. D., Woodard, P. K., Carr, J. J., Dorbala, S., Earls, J. P., Jacobs, J. E., Mammen, L., Martin, E. T., 3rd, Ryan, T., White, C. S.. ACR Appropriateness Criteria(R) acute nonspecific chest pain-low probability of coronary artery disease. <i>Journal of the American College of Radiology</i> . 2012. 9:745-50	Population
Hofmann, N. P., Voss, A., Dickhaus, H., Erbacher, M., Doesch, A., Ehlermann, P., Gitsioudis, G., Buss, S. J., Giannitis, E., Katus, H. A., Korosoglou, G.. Long-term outcome after heart transplantation predicted by quantitative myocardial blush grade in coronary angiography. <i>American Journal of Transplantation</i> . 2013. 13:1491-502	Population
Hojjati, M. R., Muthupillai, R., Wilson, J. M., Preventza, O. A., Cheong, B. Y.. Assessment of perfusion and wall-motion abnormalities and transient ischemic dilation in regadenoson stress cardiac magnetic resonance perfusion imaging. <i>The International Journal of Cardiovascular Imaging</i> . 2014. 30:949-57	Study Design
Hosking, A., Koulouroudias, M., Zemrak, F., Moon, J. C., Rossi, A., Lee, A., Barnes, M. R., Boubertakh, R., Pugliese, F., Manisty, C., Petersen, S. E.. Evaluation of splenic switch off in a tertiary imaging centre: validation and assessment of utility. <i>European heart journal cardiovascular Imaging</i> . 2017. 18:1216-1221	Aim
Hsu, L. Y., Jacobs, M., Benovoy, M., Ta, A. D., Conn, H. M., Winkler, S., Greve, A. M., Chen, M. Y., Shanbhag, S. M., Bandettini, W. P., Arai, A. E.. Diagnostic Performance of Fully Automated Pixel-Wise Quantitative Myocardial Perfusion Imaging by Cardiovascular Magnetic Resonance. <i>Jacc: Cardiovascular Imaging</i> . 2018. 11:697-707	Intervention
Huang, L., Han, R., Ai, T., Sun, Z., Bai, Y., Cao, Z., Morelli, J. N., Xia, L.. Assessment of coronary microvascular dysfunction in hypertrophic cardiomyopathy: first-pass myocardial perfusion cardiovascular magnetic resonance imaging at 1.5 T. <i>Clinical Radiology</i> . 2013. 68:676-82	Population
Huber, A., Sourbron, S., Klauss, V., Schaefer, J., Bauner, K. U., Schweyer, M., Reiser, M., Rummeny, E., Rieber, J.. Magnetic resonance perfusion of the myocardium: semiquantitative and quantitative evaluation in comparison with coronary angiography and fractional flow reserve. <i>Investigative Radiology</i> . 2012. 47:332-8	Data level
Hulten, E., Goehler, A., Bittencourt, M. S.. Cost and resource utilization associated with use of computed tomography to evaluate chest pain in the emergency department: the Rule Out Myocardial Infarction using Computer Assisted Tomography (ROMICAT) study. <i>Circ Cardiovasc Qual Outcomes</i> . 2013. 1:#pages#	Setting
Hundley, W. Gregory, Hillis, L. David, Hamilton, Craig A., Applegate, Robert J., Herrington, David M., Clarke, Geoffrey D., Braden, Gregory A., Thomas, Mark S., Lange, Richard A., Peshock, Ronald M., Link, Kerry M.. Assessment of Coronary Arterial Restenosis With Phase-Contrast Magnetic Resonance Imaging Measurements of Coronary Flow Reserve. <i>Circulation</i> . 2000. 101:2375-2381	Population
Hussain, S. T., Chiribiri, A., Morton, G., Bettencourt, N., Schuster, A., Paul, M., Perera, D., Nagel, E.. Perfusion cardiovascular magnetic resonance and fractional flow reserve in patients with angiographic multi-vessel coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> . 2016. 18:44	Population
Hussain, S. T., Morton, G., De Silva, K., Jogiya, R., Schuster, A., Paul, M., Perera, D., Nagel, E.. The assessment of ischaemic burden: validation of a functional jeopardy score against cardiovascular magnetic resonance perfusion imaging. <i>Clinical Research in Cardiology</i> . 2017. 106:259-270	Study Design

Study Citation	Reason for Exclusion
Hussain, S. T., Paul, M., Morton, G., Schuster, A., Chiribiri, A., Perera, D., Nagel, E.. Correlation of Fractional Flow Reserve With Ischemic Burden Measured by Cardiovascular Magnetic Resonance Perfusion Imaging. American Journal of Cardiology. 2017. 120:1913-1919	Data level
Hussain, S. T., Paul, M., Plein, S., et al. Design and rationale of the MR-INFORM study: stress perfusion cardiovascular magnetic resonance imaging to guide the management of patients with stable coronary artery disease. Journal of Cardiovascular Magnetic Resonance. 2012. 14:65	Intervention
Hussain, T., Mathur, S., Peel, S. A., Valverde, I., Bilkska, K., Henningsson, M., Botnar, R. M., Simpson, J., Greil, G. F.. Coronary artery size and origin imaging in children: a comparative study of MRI and trans-thoracic echocardiography. BMC Medical Imaging. 2015. 15:48	Population
Husser, O., Bodi, V., Sanchis, J., Mainar, L., Nunez, J., Lopez-Lereu, M. P., Monmeneu, J. V., Ruiz, V., Rumiz, E., Moratal, D., Chorro, F. J., Llacer, A.. Additional diagnostic value of systolic dysfunction induced by dipyridamole stress cardiac magnetic resonance used in detecting coronary artery disease. Revista Espanola de Cardiologia. 2009. 62:383-91	Intervention
Husser, O., Bodi, V., Sanchis, J., Nunez, J., Mainar, L., Rumiz, E., Lopez-Lereu, M. P., Monmeneu, J. V., Forteza, M. J., Oltra, R., Riegger, G. A., Chorro, F. J., Llacer, A.. Release of necrosis markers and cardiovascular magnetic resonance-derived microvascular perfusion in reperfused ST-elevation myocardial infarction. Thrombosis Research. 2009. 124:592-600	Population
Hutter, A., Kedan, I., Srokowski, T. P., Zheng, J., Gropler, R. J., Woodard, P. K.. Coronary magnetic resonance angiography. Seminars in Roentgenology. 2003. 38:330-41	Study Design
Ibrahim, T., Nekolla, S. G., Schreiber, K., Odaka, K., Volz, S., Mehilli, J., Guthlin, M., Delius, W., Schwaiger, M.. Assessment of coronary flow reserve: comparison between contrast-enhanced magnetic resonance imaging and positron emission tomography. J Am Coll Cardiol. 2002. 39:864-70	Population
Ikuye, K., Buckert, D., Schaaf, L., Walcher, T., Rottbauer, W., Bernhardt, P.. Inter-observer agreement and diagnostic accuracy of myocardial perfusion reserve quantification by cardiovascular magnetic resonance at 3 Tesla in comparison to quantitative coronary angiography. Journal of Cardiovascular Magnetic Resonance. 2013. 15:25	Data level
Irct2012011008698N. Evaluating the role of intravenous pentoxifylline on successfullness of stenting in patients with myocardial infarction. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=IRCT2012011008698N24..">http://www.who.int/trialsearch/Trial2.aspx?TrialID=IRCT2012011008698N24..</a> 2019. #volume#:#pages#	Study Design
Irct2012011008698N. Evaluation of anti-inflammatory effects of colchicine on the blood flow of heart's vessels and heart's muscle in patients who undergo angioplasty in the acute phase of heart attack. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=IRCT2012011008698N23..">http://www.who.int/trialsearch/Trial2.aspx?TrialID=IRCT2012011008698N23..</a> 2018. #volume#:#pages#	Study Design
Ishida, M., Ichihara, T., Nagata, M., Ishida, N., Takase, S., Kurita, T., Ito, M., Takeda, K., Sakuma, H.. Quantification of myocardial blood flow using model based analysis of first-pass perfusion MRI: extraction fraction of Gd-DTPA varies with myocardial blood flow in human myocardium. Magnetic Resonance in Medicine. 2011. 66:1391-9	Aim
Ishida, M., Sakuma, H., Kato, N., Ishida, N., Kitagawa, K., Shimono, T., Yada, I., Takeda, K.. Contrast-enhanced MR imaging for evaluation of coronary artery disease before elective repair of aortic aneurysm. Radiology. 2005. 237:458-64	Population

Study Citation	Reason for Exclusion
Ishida, N., Sakuma, H., Motoyasu, M., Okinaka, T., Isaka, N., Nakano, T., Takeda, K.. Noninfarcted myocardium: correlation between dynamic first-pass contrast-enhanced myocardial MR imaging and quantitative coronary angiography. Radiology. 2003. 229:209-16	Intervention
Ismail, T. F., Hsu, L. Y., Greve, A. M., Goncalves, C., Jabbour, A., Gulati, A., Hewins, B., Mistry, N., Wage, R., Roughton, M., Ferreira, P. F., Gatehouse, P., Firmin, D., O'Hanlon, R., Pennell, D. J., Prasad, S. K., Arai, A. E.. Coronary microvascular ischemia in hypertrophic cardiomyopathy - a pixel-wise quantitative cardiovascular magnetic resonance perfusion study. Journal of Cardiovascular Magnetic Resonance. 2014. 16:49	Aim
Isrctn. Early detection of cardiovascular dysfunction and health behaviours in the young with type 2 diabetes. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN60207691..">http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN60207691..</a> 2011. #volume#:#pages#	Study Design
Isrctn. Investigating cardiac energy levels in people with lean-type type 2 diabetes. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN85605342..">http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN85605342..</a> 2020. #volume#:#pages#	Study Design
Isrctn. Myocardial perfusion with an intravascular contrast agent. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN53688797..">http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN53688797..</a> 2009. #volume#:#pages#	Study Design
Iwata, K., Ogasawara, K.. Comparison of the cost-effectiveness of stress myocardial perfusion MRI and SPECT in patients with suspected coronary artery disease. Radiological Physics & Technology. 2013. 6:28-34	Comparator
Jaarsma, C., Vink, H., van Haare, J., Bekkers, Scam, van Rooijen, B. D., Backes, W. H., Wildberger, J. E., Crijns, H. J., van Teeffelen, J., Schalla, S.. Non-invasive assessment of microvascular dysfunction in patients with microvascular angina. International Journal of Cardiology. 2017. 248:433-439	Aim
Jacobs, M., Benovoy, M., Chang, L. C., Arai, A. E., Hsu, L. Y.. Evaluation of an automated method for arterial input function detection for first-pass myocardial perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance. 2016. 18:17	Study Design
Jahnke, C., Gebker, R., Manka, R., Schnackenburg, B., Fleck, E., Paetsch, I.. Navigator-gated 3D blood oxygen level-dependent CMR at 3.0-T for detection of stress-induced myocardial ischemic reactions. Jacc: Cardiovascular Imaging. 2010. 3:375-84	Intervention
Jahnke, C., Manka, R., Kozerke, S., Schnackenburg, B., Gebker, R., Marx, N., Paetsch, I.. Cardiovascular magnetic resonance profiling of coronary atherosclerosis: vessel wall remodelling and related myocardial blood flow alterations. European heart journal cardiovascular Imaging. 2014. 15:1400-10	Intervention
Jahnke, C., Paetsch, I., Gebker, R., Bornstedt, A., Fleck, E., Nagel, E.. Accelerated 4D dobutamine stress MR imaging with k-t BLAST: feasibility and diagnostic performance. Radiology. 2006. 241:718-28	Intervention
Jahnke, C., Paetsch, I., Nagel, E.. 3D MR coronary angiography: optimization of the technique and preliminary results. The International Journal of Cardiovascular Imaging. 2006. 22:489-91	Study Design
Jahnke, C., Paetsch, I., Nehrke, K., Schnackenburg, B., Gebker, R., Fleck, E., Nagel, E.. Rapid and complete coronary arterial tree visualization with magnetic resonance imaging: feasibility and diagnostic performance. European Heart Journal. 2005. 26:2313-9	Data level

Study Citation	Reason for Exclusion
Jansen, C. H., Perera, D., Makowski, M. R., Wiethoff, A. J., Phinikaridou, A., Razavi, R. M., Marber, M. S., Greil, G. F., Nagel, E., Maintz, D., Redwood, S., Botnar, R. M.. Detection of intracoronary thrombus by magnetic resonance imaging in patients with acute myocardial infarction. <i>Circulation</i> . 2011. 124:416-24	Population
Javed, A., Yoon, A., Cen, S., Nayak, K. S., Garg, P.. Feasibility of coronary endothelial function assessment using arterial spin labeled CMR. <i>NMR in Biomedicine</i> . 2020. 33:e4183	Study Design
Jerosch-Herold, M., Kwong, R. Y.. Optimal imaging strategies to assess coronary blood flow and risk for patients with coronary artery disease. <i>Current Opinion in Cardiology</i> . 2008. 23:599-606	Study Design
Jiang, L., Shi, K., Guo, Y. K., Ren, Y., Li, Z. L., Xia, C. C., Li, L., Liu, X., Xie, L. J., Gao, Y., Shen, M. T., Deng, M. Y., Yang, Z. G.. The additive effects of obesity on myocardial microcirculation in diabetic individuals: a cardiac magnetic resonance first-pass perfusion study. <i>Cardiovascular Diabetology</i> . 2020. 19:52	Aim
Jianjun, Y., Xiaohua, P., Xuemei, T., Gang, H., Hailong, W.. Comparison of Outcomes between Fractional-Flow-Reserve and Angiography-Directed Intervention in Non-ST Elevation Acute Coronary Syndrome. <i>Jcpsp, Journal of the College of Physicians &amp; Surgeons - Pakistan</i> . 2019. 29:268-273	Intervention
Jimenez-Jaso, J. M., Ezponda, A., Saenz-Diez, J. M., Caballeros, M., Rabago, G., Bastarrika, G.. Cardiac magnetic resonance imaging myocardial perfusion reserve index in heart transplant patients. <i>Radiologia</i> . 2020. 62:493-501	Population
Jin, H., Zeng, M. S., Yun, H., Ge, M. Y., Ma, J. Y., Yang, S.. Noninvasive test of nitrate-induced coronary vasomotion by 1.5-T whole-heart 3D magnetic resonance angiography using a T2-prepared SSFP sequence. <i>The International Journal of Cardiovascular Imaging</i> . 2012. 28:1707-16	Population
Jogiya, R., Kozerke, S., Morton, G., De Silva, K., Redwood, S., Perera, D., Nagel, E., Plein, S.. Validation of dynamic 3-dimensional whole heart magnetic resonance myocardial perfusion imaging against fractional flow reserve for the detection of significant coronary artery disease. <i>Journal of the American College of Cardiology</i> . 2012. 60:756-65	Intervention
Jogiya, R., Morton, G., De Silva, K., Reyes, E., Hachamovitch, R., Kozerke, S., Nagel, E., Underwood, S. R., Plein, S.. Ischemic burden by 3-dimensional myocardial perfusion cardiovascular magnetic resonance: comparison with myocardial perfusion scintigraphy. <i>Circulation. Cardiovascular imaging</i> . 2014. 7:647-54	Intervention
Johansson, B., Babu-Narayan, S. V., Kilner, P. J., Cannell, T. M., Mohiaddin, R. H.. 3-dimensional time-resolved contrast-enhanced magnetic resonance angiography for evaluation late after the mustard operation for transposition. <i>Cardiology in the Young</i> . 2010. 20:1-7	Population
Josephson, C. B., White, P. M., Krishan, A., Al-Shahi Salman, R.. Computed tomography angiography or magnetic resonance angiography for detection of intracranial vascular malformations in patients with intracerebral haemorrhage. <i>Cochrane Database of Systematic Reviews</i> . 2014. #volume#:#pages#	Population
Jprn, Umin. Clinical trial on the safety of myocardium regenerative therapy for ischemic heart disease using biodegradable polymeric carrier and basic fibroblast growth factor. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000018709">http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000018709</a> . 2015. #volume#:#pages#	Study Design
Jprn, Umin. Detection of myocardial ischemia by CT perfusion imaging in comparison with N-13 ammonia PET. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000015856">http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000015856</a> . 2014. #volume#:#pages#	Study Design

Study Citation	Reason for Exclusion
Jprn, Umin. Effect of prasugrel on the angiographic parameters of myocardial perfusion. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000016696">http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000016696</a> . 2015. #volume#:#pages#	Study Design
Jprn, Umin. Investigation of pleiotropic effect of DPP-4 inhibitor, sitagliptin for type 2 diabetic patients with old myocardial infarction. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000012562">http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN UMIN000012562</a> . 2013. #volume#:#pages#	Study Design
Jung, Philip H., Rieber, Johannes, Störk, Stefan, Hoyer, Caroline, Erhardt, Isabelle, Nowotny, Anja, Voelker, Wolfram, Weidemann, Frank, Ertl, Georg, Klauss, Volker, Angermann, Christiane E.. Effect of contrast application on interpretability and diagnostic value of dobutamine stress echocardiography in patients with intermediate coronary lesions: comparison with myocardial fractional flow reserve. European Heart Journal. 2008. 29:2536-2543	Intervention
Jurcut, R., Pappas, C. J., Masci, P. G., Herbots, L., Szulik, M., Bogaert, J., Van de Werf, F., Desmet, W., Rademakers, F., Voigt, J. U., D'Hooge, J.. Detection of regional myocardial dysfunction in patients with acute myocardial infarction using velocity vector imaging. Journal of the American Society of Echocardiography. 2008. 21:879-86	Intervention
Kamiya, K., Sakakibara, M., Asakawa, N., Yamada, S., Yoshitani, T., Iwano, H., Komatsu, H., Naya, M., Chiba, S., Yamada, S., Manabe, O., Kikuchi, Y., Oyama-Manabe, N., Oba, K., Tsutsui, H.. Cardiac magnetic resonance performs better in the detection of functionally significant coronary artery stenosis compared to single-photon emission computed tomography and dobutamine stress echocardiography. Circulation Journal. 2014. 78:2468-76	Intervention
Kang, H. J., Kim, M. K., Lee, H. Y., Park, K. W., Lee, W., Cho, Y. S., Koo, B. K., Choi, D. J., Park, Y. B., Kim, H. S.. Five-year results of intracoronary infusion of the mobilized peripheral blood stem cells by granulocyte colony-stimulating factor in patients with myocardial infarction. European Heart Journal. 2012. 33:3062-9	Intervention
Karamitsos, T. D., Arnold, J. R., Pegg, T. J., Cheng, A. S., van Gaal, W. J., Francis, J. M., Banning, A. P., Neubauer, S., Selvanayagam, J. B.. Tolerance and safety of adenosine stress perfusion cardiovascular magnetic resonance imaging in patients with severe coronary artery disease. The International Journal of Cardiovascular Imaging. 2009. 25:277-83	Intervention
Karamitsos, T. D., Arnold, J. R., Pegg, T. J., Francis, J. M., Birks, J., Jerosch-Herold, M., Neubauer, S., Selvanayagam, J. B.. Patients with syndrome X have normal transmural myocardial perfusion and oxygenation: a 3-T cardiovascular magnetic resonance imaging study. Circulation. Cardiovascular imaging. 2012. 5:194-200	Population
Karamitsos, T. D., Ntusi, N. A., Francis, J. M., Holloway, C. J., Myerson, S. G., Neubauer, S.. Feasibility and safety of high-dose adenosine perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance. 2010. 12:66	Outcomes
Kato, S., Saito, N., Nakachi, T., Fukui, K., Iwasawa, T., Taguri, M., Kosuge, M., Kimura, K.. Stress Perfusion Coronary Flow Reserve Versus Cardiac Magnetic Resonance for Known or Suspected CAD. Journal of the American College of Cardiology. 2017. 70:869-879	Aim
Kawase, Y., Nishimoto, M., Hato, K., Okajima, K., Yoshikawa, J.. Assessment of coronary artery disease with nicorandil stress magnetic resonance imaging. Osaka City Med J. 2004. 50:87-94	Intervention
Kawecka-Jaszcz, K., Czarnecka, D., Olszanecka, A., Klecha, A., Kwiecien-Sobstel, A., Stolarz-Skrzypek, K., Pennell, D. J., Pasowicz, M., Klimeczek, P., Banys, R. P.. Myocardial perfusion in hypertensive patients with normal coronary angiograms. Journal of Hypertension. 2008. 26:1686-94	Study Design

Study Citation	Reason for Exclusion
Keijer, J. T., van Rossum, A. C., Wilke, N., van Eenige, M. J., Jerosch-Herold, M., Bronzwaer, J. G., Visser, C. A.. Magnetic resonance imaging of myocardial perfusion in single-vessel coronary artery disease: implications for transmural assessment of myocardial perfusion. <i>Journal of Cardiovascular Magnetic Resonance</i> . 2000. 2:189-200	Outcomes
Khoo, J. P., Grundy, B. J., Steadman, C. D., Sonnex, E. P., Coulden, R. A., McCann, G. P.. Stress cardiovascular MR in routine clinical practice: referral patterns, accuracy, tolerance, safety and incidental findings. <i>The British Journal of Radiology</i> . 2012. 85:e851-e857	Intervention
Kiaos, A., Tziatzios, I., Hadjimiltiades, S., Karvounis, C., Karamitsos, T. D.. Data on diagnostic performance of stress perfusion cardiac magnetic resonance for coronary artery disease detection at the vessel level. <i>Data in Brief</i> . 2018. 16:869-875	Data level
Kidambi, A., Sourbron, S., Maredia, N., Motwani, M., Brown, J. M., Nixon, J., Everett, C. C., Plein, S., Greenwood, J. P.. Factors associated with false-negative cardiovascular magnetic resonance perfusion studies: A Clinical evaluation of magnetic resonance imaging in coronary artery disease (CE-MARC) substudy. <i>Journal of Magnetic Resonance Imaging</i> . 2016. 43:566-73	Other (please note rationale)
Kim, E. K., Choi, J. H., Song, Y. B., Hahn, J. Y., Chang, S. A., Park, S. J., Lee, S. C., Choi, S. H., Choe, Y. H., Park, S. W., Gwon, H. C.. A protective role of early collateral blood flow in patients with ST-segment elevation myocardial infarction. <i>American Heart Journal</i> . 2016. 171:56-63	Aim
Kim, E. K., Lee, S. C., Chang, S. A., Jang, S. Y., Kim, S. M., Park, S. J., Choi, J. O., Park, S. W., Jeon, E. S., Choe, Y. H.. Prevalence and clinical significance of cardiovascular magnetic resonance adenosine stress-induced myocardial perfusion defect in hypertrophic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> . 2020. 22:30	Comparator
Kim, H. M., Kim, K. J., Lee, H. J., Yu, H. T., Moon, J. H., Kang, E. S., Cha, B. S., Lee, H. C., Lee, B. W., Kim, Y. J.. Epicardial adipose tissue thickness is an indicator for coronary artery stenosis in asymptomatic type 2 diabetic patients: its assessment by cardiac magnetic resonance. <i>Cardiovascular Diabetology</i> . 2012. 11:83	Population
Kim, H. Y., Yong, H. S., Kim, E. J., Kang, E. Y., Seo, B. K.. Value of transluminal attenuation gradient of stress CCTA for diagnosis of haemodynamically significant coronary artery stenosis using wide-area detector CT in patients with coronary artery disease: comparison with stress perfusion CMR. <i>Cardiovascular Journal of Africa</i> . 2018. 29:16-21	Comparator
Kim, Mi-Na, Kim, Su- A., Kim, Yong-Hyun, Hong, Soon Jun, Park, Seong-Mi, Shin, Mi Seung, Kim, Myung- A., Hong, Kyoung-Soon, Shin, Gil Ja, Shim, Wan-Joo. Head to Head Comparison of Stress Echocardiography with Exercise Electrocardiography for the Detection of Coronary Artery Stenosis in Women. <i>Journal of cardiovascular ultrasound</i> . 2016. 24:135-143	Intervention
Kim, S. M., Chang, S. A., Shin, W., Choe, Y. H.. Dual-energy CT perfusion during pharmacologic stress for the assessment of myocardial perfusion defects using a second-generation dual-source CT: a comparison with cardiac magnetic resonance imaging. <i>Journal of computer assisted tomography</i> . 2014. 38:44-52	Comparator
Kim, W. Y., Stuber, M., Bornert, P., Kissinger, K. V., Manning, W. J., Botnar, R. M.. Three-dimensional black-blood cardiac magnetic resonance coronary vessel wall imaging detects positive arterial remodeling in patients with nonsignificant coronary artery disease. <i>Circulation</i> . 2002. 106:296-9	Other (please note rationale)
Kinnel, M., Sanguineti, F., Pezel, T., Unterseeh, T., Hovasse, T., Toupin, S., Landon, V., Champagne, S., Morice, M. C., Garot, P., Louvard, Y., Garot, J.. Prognostic value of vasodilator stress perfusion CMR in patients with previous coronary artery bypass graft. <i>European heart journal cardiovascular Imaging</i> . 2020. 13:13	Aim

Study Citation	Reason for Exclusion
Kinoshita, M., Nomura, M., Harada, M., Bando, S., Nakaya, Y., Ito, S.. Myocardial perfusion magnetic resonance imaging for diagnosing coronary arterial stenosis. Japanese Heart Journal. 2003. 44:323-34	Data level
Kirisli, H. A., Gupta, V., Kirschbaum, S. W., Rossi, A., Metz, C. T., Schaap, M., van Geuns, R. J., Mollet, N., Lelieveldt, B. P., Reiber, J. H., van Walsum, T., Niessen, W. J.. Comprehensive visualization of multimodal cardiac imaging data for assessment of coronary artery disease: first clinical results of the SMARTVis tool. International Journal of Computer Assisted Radiology & Surgery. 2012. 7:557-71	Study Design
Kiriyama, T., Toba, M., Fukushima, Y., Hayashi, H., Takano, H., Mizuno, K., Kumita, S.. Discordance between the morphological and physiological information of 64-slice MSCT coronary angiography and myocardial perfusion imaging in patients with intermediate to high probability of coronary artery disease. Circulation Journal. 2011. 75:1670-7	Intervention
Kirschbaum, S. W., Nieman, K., Springeling, T., Weustink, A. C., Ramcharitar, S., Mieghem, Cv, Rossi, A., Duckers, E., Serruys, P. W., Boersma, E., de Feyter, P. J., van Geuns, R. J.. Non-invasive diagnostic workup of patients with suspected stable angina by combined computed tomography coronary angiography and magnetic resonance perfusion imaging. Circulation Journal. 2011. 75:1678-84	Intervention
Kirschbaum, S. W., Springeling, T., Rossi, A., Duckers, E., Gutierrez-Chico, J. L., Regar, E., de Feyter, P. J., van Geuns, R. J.. Comparison of adenosine magnetic resonance perfusion imaging with invasive coronary flow reserve and fractional flow reserve in patients with suspected coronary artery disease. International Journal of Cardiology. 2011. 147:184-6	Study Design
Kitagawa, K., Sakuma, H., Nagata, M., Okuda, S., Hirano, M., Tanimoto, A., Matsusako, M., Lima, J. A., Kurabayashi, S., Takeda, K.. Diagnostic accuracy of stress myocardial perfusion MRI and late gadolinium-enhanced MRI for detecting flow-limiting coronary artery disease: a multicenter study. European Radiology. 2008. 18:2808-16	Intervention
Klein, C., Nagel, E., Gebker, R., Kelle, S., Schnackenburg, B., Graf, K., Dreyse, S., Fleck, E.. Magnetic resonance adenosine perfusion imaging in patients after coronary artery bypass graft surgery. Jacc: Cardiovascular Imaging. 2009. 2:437-45	Intervention
Klem, I., Greulich, S., Heitner, J. F., Kim, H., Vogelsberg, H., Kispert, E. M., Ambati, S. R., Bruch, C., Parker, M., Judd, R. M., Kim, R. J., Sechtem, U.. Value of cardiovascular magnetic resonance stress perfusion testing for the detection of coronary artery disease in women. Jacc: Cardiovascular Imaging. 2008. 1:436-45	Intervention
Klem, I., Heitner, J. F., Shah, D. J., Sketch, M. H., Jr., Behar, V., Weinsaft, J., Cawley, P., Parker, M., Elliott, M., Judd, R. M., Kim, R. J.. Improved detection of coronary artery disease by stress perfusion cardiovascular magnetic resonance with the use of delayed enhancement infarction imaging. Journal of the American College of Cardiology. 2006. 47:1630-8	Intervention
Kłopotowski, M., Kukula, K., Malek, L. A., Spiewak, M., Polanska-Skrzypczyk, M., Jamiolkowski, J., Dabrowski, M., Baranowski, R., Klisiewicz, A., Kusmierczyk, M., Jasinska, A., Jarmus, E., Kruk, M., Ruzyłło, W., Witkowski, A., Chojnowska, L.. The value of cardiac magnetic resonance and distribution of late gadolinium enhancement for risk stratification of sudden cardiac death in patients with hypertrophic cardiomyopathy. Journal of Cardiology. 2016. 68:49-56	Aim
Klug, G., Mayr, A., Schenk, S., Esterhammer, R., Schocke, M., Nocker, M., Jaschke, W., Pachinger, O., Metzler, B.. Prognostic value at 5 years of microvascular obstruction after acute myocardial infarction assessed by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance. 2012. 14:46	Aim

Study Citation	Reason for Exclusion
Klumpp, B. D., Seeger, A., Doesch, C., Doering, J., Hoevelborn, T., Kramer, U., Fenchel, M., Gawaz, M. P., Claussen, C. D., Miller, S.. High resolution myocardial magnetic resonance stress perfusion imaging at 3 T using a 1 M contrast agent. European Radiology. 2010. 20:533-41	Intervention
Klumpp, B., Hoevelborn, T., Fenchel, M., Stauder, N. I., Kramer, U., May, A., Gawaz, M. P., Claussen, C. D., Miller, S.. Magnetic resonance myocardial perfusion imaging-First experience at 3.0T. European Journal of Radiology. 2009. 69:165-72	Data level
Klumpp, B., Miller, S., Seeger, A., May, A. E., Gawaz, M. P., Claussen, C. D., Kramer, U.. Is the diagnostic yield of myocardial stress perfusion MRI impaired by three-vessel coronary artery disease?. Acta Radiologica. 2015. 56:143-51	Intervention
Knott, K. D., Augusto, J. B., Nordin, S., Kozor, R., Camaioni, C., Xue, H., Hughes, R. K., Manisty, C., Brown, L. A. E., Kellman, P., Ramaswami, U., Hughes, D., Plein, S., Moon, J. C.. Quantitative Myocardial Perfusion in Fabry Disease. Circulation. Cardiovascular imaging. 2019. 12:e008872	Population
Knott, K. D., Seraphim, A., Augusto, J. B., Xue, H., Chacko, L., Aung, N., Petersen, S. E., Cooper, J. A., Manisty, C., Bhuva, A. N., Kotecha, T., Bourantas, C. V., Davies, R. H., Brown, L. A. E., Plein, S., Fontana, M., Kellman, P., Moon, J. C.. The Prognostic Significance of Quantitative Myocardial Perfusion: An Artificial Intelligence-Based Approach Using Perfusion Mapping. Circulation. 2020. 141:1282-1291	Aim
Knuuti, J., Wijns, W., Saraste, A., Capodanno, D., Barbato, E., Funck-Brentano, C., Prescott, E., Storey, R. F., Deaton, C., Cuisset, T., Agewall, S., Dickstein, K., Edvardsen, T., Escaned, J., Gersh, B. J., Svitil, P., Gilard, M., Hasdai, D., Hatala, R., Mahfoud, F., Masip, J., Muneretto, C., Valgimigli, M., Achenbach, S., Bax, J. J.. 2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. Eur Heart J. 2020. 41:407-477	Intervention
Ko, B. S., Cameron, J. D., Leung, M., Meredith, I. T., Leong, D. P., Antonis, P. R., Crossett, M., Troupis, J., Harper, R., Malaiapan, Y., Seneviratne, S. K.. Combined CT coronary angiography and stress myocardial perfusion imaging for hemodynamically significant stenoses in patients with suspected coronary artery disease: a comparison with fractional flow reserve. Jacc: Cardiovascular Imaging. 2012. 5:1097-111	Intervention
Ko, S. F., Liang, C. D., Huang, C. C., Ng, S. H., Hsieh, M. J., Chang, J. P., Chen, M. C.. Clinical feasibility of free-breathing, gadolinium-enhanced magnetic resonance angiography for assessing extracardiac thoracic vascular abnormalities in young children with congenital heart diseases. Journal of Thoracic & Cardiovascular Surgery. 2006. 132:1092-8	Setting
Ko, S. M., Park, J. H., Hwang, H. K., Song, M. G.. Direct comparison of stress- and rest-dual-energy computed tomography for detection of myocardial perfusion defect. The International Journal of Cardiovascular Imaging. 2014. 30 Suppl 1:41-53	Intervention
Ko, S. M., Song, M. G., Chee, H. K., Hwang, H. K., Feuchtner, G. M., Min, J. K.. Diagnostic performance of dual-energy CT stress myocardial perfusion imaging: direct comparison with cardiovascular MRI. AJR. American Journal of Roentgenology. 2014. 203:W605-13	Data level
Kolk, M. Z. H., van Veelen, A., Agostoni, P., van Houwelingen, G. K., Ouweeneel, D. M., Hoebers, L. P., Ramunddal, T., Laanmets, P., Eriksen, E., Bax, M., Suttorp, M. J., Claessen, Bepm, van der Schaaf, R. J., Elias, J., van Dongen, I. M., Henriques, J. P. S.. Predictors and outcomes of procedural failure of percutaneous coronary intervention of a chronic total occlusion[ Euro sign]"A subanalysis of the EXPLORE trial. Catheterization and cardiovascular interventions. 2020. #volume#:#pages#	Aim

Study Citation	Reason for Exclusion
Korosoglou, G., Elhmidi, Y., Steen, H., Schellberg, D., Riedle, N., Ahrens, J., Lehrke, S., Merten, C., Lossnitzer, D., Radeleff, J., Zugck, C., Giannitsis, E., Katus, H. A.. Prognostic value of high-dose dobutamine stress magnetic resonance imaging in 1,493 consecutive patients: assessment of myocardial wall motion and perfusion. <i>Journal of the American College of Cardiology.</i> 2010. 56:1225-34	Aim
Korosoglou, G., Osman, N. F., Dengler, T. J., Riedle, N., Steen, H., Lehrke, S., Giannitsis, E., Katus, H. A.. Strain-encoded cardiac magnetic resonance for the evaluation of chronic allograft vasculopathy in transplant recipients. <i>American Journal of Transplantation.</i> 2009. 9:2587-96	Population
Kotecha, T., Chacko, L., Chehab, O., O'Reilly, N., Martinez-Naharro, A., Lazari, J., Knott, K. D., Brown, J., Knight, D., Muthurangu, V., Hawkins, P., Plein, S., Moon, J. C., Xue, H., Kellman, P., Rakhit, R., Patel, N., Fontana, M.. Assessment of Multivessel Coronary Artery Disease Using Cardiovascular Magnetic Resonance Pixelwise Quantitative Perfusion Mapping. <i>Jacc: Cardiovascular Imaging.</i> 2020. 13:2546-2557	Intervention
Kotecha, T., Martinez-Naharro, A., Boldrini, M., Knight, D., Hawkins, P., Kalra, S., Patel, D., Coghlan, G., Moon, J., Plein, S., Lockie, T., Rakhit, R., Patel, N., Xue, H., Kellman, P., Fontana, M.. Automated Pixel-Wise Quantitative Myocardial Perfusion Mapping by CMR to Detect Obstructive Coronary Artery Disease and Coronary Microvascular Dysfunction: Validation Against Invasive Coronary Physiology. <i>Jacc: Cardiovascular Imaging.</i> 2019. 12:1958-1969	Data level
Kotecha, T., Monteagudo, J. M., Martinez-Naharro, A., Chacko, L., Brown, J., Knight, D., Knott, K. D., Hawkins, P., Moon, J. C., Plein, S., Xue, H., Kellman, P., Lockie, T., Patel, N., Rakhit, R., Fontana, M.. Quantitative cardiovascular magnetic resonance myocardial perfusion mapping to assess hyperaemic response to adenosine stress. <i>European heart journal cardiovascular Imaging.</i> 2021. 22:273-281	Outcomes
Kourtidou, S., Jones, M. R., Moore, R. A., Tretter, J. T., Ollberding, N. J., Crotty, E. J., Rattan, M. S., Fleck, R. J., Taylor, M. D.. mDixon ECG-gated 3-dimensional cardiovascular magnetic resonance angiography in patients with congenital cardiovascular disease. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2019. 21:52	Comparator
Kramer, C. M.. When two tests are better than one: adding late gadolinium enhancement to first-pass perfusion cardiovascular magnetic resonance. <i>Journal of the American College of Cardiology.</i> 2006. 47:1639-40	Study Design
Kramer, J., Niemann, M., Liu, D., Hu, K., Machann, W., Beer, M., Wanner, C., Ertl, G., Weidemann, F.. Two-dimensional speckle tracking as a non-invasive tool for identification of myocardial fibrosis in Fabry disease. <i>European Heart Journal.</i> 2013. 34:1587-96	Population
Krittayaphong, R., Boonyasirinant, T., Saiviroonporn, P., Nakyen, S., Thanapiboonpol, P., Yindeengam, A., Udompunturak, S.. Myocardial perfusion cardiac magnetic resonance for the diagnosis of coronary artery disease: do we need rest images?. <i>The International Journal of Cardiovascular Imaging.</i> 2009. 25 Suppl 1:139-48	Setting
Krittayaphong, R., Chaithiraphan, V., Maneesai, A., Udompunturak, S.. Prognostic value of combined magnetic resonance myocardial perfusion imaging and late gadolinium enhancement. <i>The International Journal of Cardiovascular Imaging.</i> 2011. 27:705-14	Aim
Krittayaphong, R., Mahanonda, N., Kangkagate, C., Nakyen, S., Tanapibunpon, P., Chaithiraphan, S.. Accuracy of magnetic resonance imaging in the diagnosis of coronary artery disease. <i>Journal of the Medical Association of Thailand.</i> 2003. 86 Suppl 1:S59-66	Unable to locate
Krittayaphong, R., Maneesai, A., Saiviroonporn, P., Nakyen, S., Thanapiboonpol, P., Yindeengam, A.. Prevalence and characters of anomalous coronary artery from coronary magnetic resonance angiography. <i>Journal of the Medical Association of Thailand.</i> 2014. 97 Suppl 3:S124-31	Outcomes

Study Citation	Reason for Exclusion
Kuhl, H. P., Katoh, M., Buhr, C., Krombach, G. A., Hoffmann, R., Rassaf, T., Neizel, M., Buecker, A., Kelm, M.. Comparison of magnetic resonance perfusion imaging versus invasive fractional flow reserve for assessment of the hemodynamic significance of epicardial coronary artery stenosis. <i>American Journal of Cardiology.</i> 2007. 99:1090-5	Data level
Kunze, K. P., Rischpler, C., Hayes, C., Ibrahim, T., Laugwitz, K. L., Haase, A., Schwaiger, M., Nekolla, S. G.. Measurement of extracellular volume and transit time heterogeneity using contrast-enhanced myocardial perfusion MRI in patients after acute myocardial infarction. <i>Magnetic Resonance in Medicine.</i> 2017. 77:2320-2330	Aim
Kurita, T., Sakuma, H., Onishi, K., Ishida, M., Kitagawa, K., Yamanaka, T., Tanigawa, T., Kitamura, T., Takeda, K., Ito, M.. Regional myocardial perfusion reserve determined using myocardial perfusion magnetic resonance imaging showed a direct correlation with coronary flow velocity reserve by Doppler flow wire. <i>European Heart Journal.</i> 2009. 30:444-52	Comparator
Kusunoki, K., Nomura, M., Kageyama, N., Nishikado, A., Harada, M., Nakaya, Y., Ito, S.. Detection of coronary arterial microvascular disorders using (99m)Tc-tetrofosmin uptake increase during exercise and coronary blood flow velocity patterns obtained by magnetic resonance imaging. <i>Heart &amp; Vessels.</i> 2004. 19:1-7	Population
Kwon, D. H., Asamoto, L., Popovic, Z. B., Kusunose, K., Robinson, M., Desai, M., Marwick, T. H., Flamm, S. D.. Infarct characterization and quantification by delayed enhancement cardiac magnetic resonance imaging is a powerful independent and incremental predictor of mortality in patients with advanced ischemic cardiomyopathy. <i>Circulation. Cardiovascular imaging.</i> 2014. 7:796-804	Aim
Kwong, R. Y., Ge, Y., Steel, K., et al. Cardiac Magnetic Resonance Stress Perfusion Imaging for Evaluation of Patients With Chest Pain. <i>Journal of the American College of Cardiology.</i> 2019. 74:1741-1755	Aim
Ladeiras-Lopes, R., Bettencourt, N., Ferreira, N., Sampaio, F., Pires-Morais, G., Santos, L., Melica, B., Rodrigues, A., Braga, P., Leite-Moreira, A., Silva-Cardoso, J., Gama, V.. CT myocardial perfusion and coronary CT angiography: Influence of coronary calcium on a stress-rest protocol. <i>Journal of cardiovascular computed tomography.</i> 2016. 10:215-20	Intervention
Laham, R. J., Simons, M., Pearlman, J. D., Ho, K. K., Baim, D. S.. Magnetic resonance imaging demonstrates improved regional systolic wall motion and thickening and myocardial perfusion of myocardial territories treated by laser myocardial revascularization. <i>Journal of the American College of Cardiology.</i> 2002. 39:1-8	Population
Landes, S., Dela Cruz, S., Wei, J., et al. Cold Pressor Stress Cardiac Magnetic Resonance Myocardial Flow Reserve Is Not Useful for Detection of Coronary Endothelial Dysfunction in Women with Signs and Symptoms of Ischemia and No Obstructive CAD. <i>PLoS ONE [Electronic Resource].</i> 2017. 12:e0169818	Population
Langerak, S. E., Vliegen, H. W., de Roos, A., Zwinderman, A. H., Jukema, J. W., Kunz, P., Lamb, H. J., van Der Wall, E. E.. Detection of vein graft disease using high-resolution magnetic resonance angiography. <i>Circulation.</i> 2002. 105:328-33	Data level
Langerak, S. E., Vliegen, H. W., Jukema, J. W., Kunz, P., Zwinderman, A. H., Lamb, H. J., van der Wall, E. E., de Roos, A.. Value of magnetic resonance imaging for the noninvasive detection of stenosis in coronary artery bypass grafts and recipient coronary arteries. <i>Circulation.</i> 2003. 107:1502-8	Data level
Lanza, G. A., Buffon, A., Sestito, A., Natale, L., Sgueglia, G. A., Galiuto, L., Infusino, F., Mariani, L., Centola, A., Crea, F.. Relation between stress-induced myocardial perfusion defects on cardiovascular magnetic resonance and coronary microvascular dysfunction in patients with cardiac syndrome X. <i>Journal of the American College of Cardiology.</i> 2008. 51:466-72	Aim

Study Citation	Reason for Exclusion
Larghat, A. M., Maredia, N., Biglands, J., Greenwood, J. P., Ball, S. G., Jerosch-Herold, M., Radjenovic, A., Plein, S.. Reproducibility of first-pass cardiovascular magnetic resonance myocardial perfusion. <i>Journal of Magnetic Resonance Imaging</i> . 2013. 37:865-74	Population
Larghat, A. M., Swoboda, P. P., Biglands, J. D., Kearney, M. T., Greenwood, J. P., Plein, S.. The microvascular effects of insulin resistance and diabetes on cardiac structure, function, and perfusion: a cardiovascular magnetic resonance study. <i>European heart journal cardiovascular Imaging</i> . 2014. 15:1368-76	Aim
Larghat, A., Biglands, J., Maredia, N., Greenwood, J. P., Ball, S. G., Jerosch-Herold, M., Radjenovic, A., Plein, S.. Endocardial and epicardial myocardial perfusion determined by semi-quantitative and quantitative myocardial perfusion magnetic resonance. <i>The International Journal of Cardiovascular Imaging</i> . 2012. 28:1499-511	Population
Larroza, A., Materka, A., Lopez-Lereu, M. P., Monmeneu, J. V., Bodi, V., Moratal, D.. Differentiation between acute and chronic myocardial infarction by means of texture analysis of late gadolinium enhancement and cine cardiac magnetic resonance imaging. <i>European Journal of Radiology</i> . 2017. 92:78-83	Aim
Laurence, A. S.. Sedation, safety and MRI. <i>Br J Radiol</i> . 2000. 73:575-7	Study Design
Lawson, M. A., Bell, S. P., Adkisson, D. W., Wang, L., Ooi, H., Sawyer, D. B., Kronenberg, M. W.. High reproducibility of adenosine stress cardiac MR myocardial perfusion imaging in patients with non-ischaemic dilated cardiomyopathy. <i>BMJ Open</i> . 2014. 4:e005984	Population
Layland, J., Rauhalammi, S., Watkins, S., et al. Assessment of Fractional Flow Reserve in Patients With Recent Non-ST-Segment-Elevation Myocardial Infarction: Comparative Study With 3-T Stress Perfusion Cardiac Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Interventions</i> . 2015. 8:e002207	Population
Le Polain de Waroux, J. B., Pouleur, A. C., Goffinet, C., Pasquet, A., Vanoverschelde, J. L., Gerber, B. L.. Combined coronary and late-enhanced multidetector-computed tomography for delineation of the etiology of left ventricular dysfunction: comparison with coronary angiography and contrast-enhanced cardiac magnetic resonance imaging. <i>European Heart Journal</i> . 2008. 29:2544-51	Population
Lee, M. L.. Isolated and complex scimitar vein anomalies and their differentiation from the meandering right pulmonary vein. <i>Yonsei Medical Journal</i> . 2007. 48:973-80	Other (please note rationale)
Lee, S. C., Ko, S. M., Song, M. G., Shin, J. K., Chee, H. K., Hwang, H. K.. Morphological assessment of the aortic valve using coronary computed tomography angiography, cardiovascular magnetic resonance, and transthoracic echocardiography: comparison with intraoperative findings. <i>The International Journal of Cardiovascular Imaging</i> . 2012. 28 Suppl 1:33-44	Population
Lehrke, S., Lossnitzer, D., Schob, M., Steen, H., Merten, C., Kemmling, H., Pribe, R., Ehlermann, P., Zugck, C., Korosoglou, G., Giannitsis, E., Katus, H. A.. Use of cardiovascular magnetic resonance for risk stratification in chronic heart failure: prognostic value of late gadolinium enhancement in patients with non-ischaemic dilated cardiomyopathy. <i>Heart</i> . 2011. 97:727-32	Aim
Lemkes, J. S., Janssens, G. N., van der Hoeven, N. W., et al. Timing of revascularization in patients with transient ST-segment elevation myocardial infarction: a randomized clinical trial. <i>European heart journal</i> . 2019. 40:283-291	Intervention

Study Citation	Reason for Exclusion
Lenz, C. J., Abdelmoneim, S. S., Anavekar, N. S., et al. A comparison of infarct mass by cardiac magnetic resonance and real time myocardial perfusion echocardiography as predictors of major adverse cardiac events following reperfusion for ST elevation myocardial infarction. <i>Echocardiography</i> (Mount Kisco, N.Y.). 2016; 33:1539-1545	Aim
Levin, D. C., Parker, L., Sunshine, J. H., Pentecost, M. J.. Cardiovascular imaging: who does it and how important is it to the practice of radiology?. <i>AJR. American Journal of Roentgenology</i> . 2002; 178:303-6	Publication Date
Li, J. N., He, Y., Dong, W., Zhang, L. J., Mi, H. Z., Zhang, D. F., Huang, R. C., Song, X. T.. Comparison of cardiac MRI with PET for assessment of myocardial viability in patients with coronary chronic total occlusion. <i>Clinical Radiology</i> . 2019; 74:410.e1-410.e9	Comparator
Li, T., Zhao, X., Liu, X., Gao, J., Zhao, S., Li, X., Zhou, W., Cai, Z., Zhang, W., Yang, L.. Evaluation of the early enhancement of coronary atherosclerotic plaque by contrast-enhanced MR angiography. <i>European Journal of Radiology</i> . 2011; 80:136-42	Aim
Lin, K., Lloyd-Jones, D. M., Liu, Y., Bi, X., Li, D., Carr, J. C.. Potential quantitative magnetic resonance imaging biomarkers of coronary remodeling in older hypertensive patients. <i>Arteriosclerosis, Thrombosis &amp; Vascular Biology</i> . 2012; 32:1742-7	Population
Lin, K., Lloyd-Jones, D. M., Liu, Y., Bi, X., Li, D., Carr, J. C.. Noninvasive evaluation of coronary distensibility in older adults: a feasibility study with MR angiography. <i>Radiology</i> . 2011; 261:771-8	Population
Lin, K., Lloyd-Jones, D. M., Taimen, K., Liu, Y., Bi, X., Li, D., Carr, J. C.. The detection of coronary stiffness in cardiac allografts using MR imaging. <i>European Journal of Radiology</i> . 2014; 83:1402-7	Population
Lin, L., Wang, L., Zhang, X. N., Li, X., Wang, J., Shen, Z. J., Chen, W., Jin, Z. Y., Wang, Y. N.. A clinical strategy to improve the diagnostic accuracy of 1.5-T non-contrast MR coronary angiography for detection of coronary artery disease: combination of whole-heart and volume-targeted imaging. <i>European Radiology</i> . 2021; 31:1894-1904	Setting
Lindemann, F., Oebel, S., Paetsch, I., Arya, A., Dagres, N., Richter, S., Dinov, B., Hilbert, S., Loebe, S., Stegmann, C., Doering, M., Bollmann, A., Hindricks, G., Jahnke, C.. Clinical utility of cardiovascular magnetic resonance imaging in patients with implantable cardioverter defibrillators presenting with electrical instability or worsening heart failure symptoms. <i>Journal of Cardiovascular Magnetic Resonance</i> . 2020; 22:32	Population
Liu, A., Wijesurendra, R. S., Liu, J. M., Forfar, J. C., Channon, K. M., Jerosch-Herold, M., Piechnik, S. K., Neubauer, S., Kharbanda, R. K., Ferreira, V. M.. Diagnosis of Microvascular Angina Using Cardiac Magnetic Resonance. <i>Journal of the American College of Cardiology</i> . 2018; 71:969-979	Other (please note rationale)
Liu, X., Yang, Z. G., Gao, Y., et al. Left ventricular subclinical myocardial dysfunction in uncomplicated type 2 diabetes mellitus is associated with impaired myocardial perfusion: a contrast-enhanced cardiovascular magnetic resonance study. <i>Cardiovascular Diabetology</i> . 2018; 17:139	Aim
Liu, X., Zhao, X., Huang, J., Francois, C. J., Tuite, D., Bi, X., Li, D., Carr, J. C.. Comparison of 3D free-breathing coronary MR angiography and 64-MDCT angiography for detection of coronary stenosis in patients with high calcium scores. <i>AJR. American Journal of Roentgenology</i> . 2007; 189:1326-32	Data level
Lo, K. Y., Leung, K. F., Chu, C. M., Loke, K. L., Chan, C. K., Yue, C. S.. Prognostic value of adenosine stress myocardial perfusion by cardiac magnetic resonance imaging in patients with known or suspected coronary artery disease. <i>Qjm</i> . 2011; 104:425-32	Aim

Study Citation	Reason for Exclusion
Lockie, T., Ishida, M., Perera, D., et al. High-resolution magnetic resonance myocardial perfusion imaging at 3.0-Tesla to detect hemodynamically significant coronary stenoses as determined by fractional flow reserve. <i>Journal of the American College of Cardiology</i> . 2011. 57:70-5	Data level
Lorenzoni, V., Bellelli, S., Caselli, C., Knuuti, J., Underwood, S. R., Neglia, D., Turchetti, G.. Cost-effectiveness analysis of stand-alone or combined non-invasive imaging tests for the diagnosis of stable coronary artery disease: results from the EVINCI study. <i>Eur J Health Econ</i> . 2019. 20:1437-1449	Setting
Lubbers, D. D., Rijlaarsdam-Hermsen, D., Kuijpers, D., Kerkhof, M., Sijens, P. E., van Dijkman, P. R., Oudkerk, M.. Performance of adenosine "stress-only" perfusion MRI in patients without a history of myocardial infarction: a clinical outcome study. <i>The International Journal of Cardiovascular Imaging</i> . 2012. 28:109-15	Aim
Lundberg, C., Johansson, L., Barbier, C. E., Lind, L., Ahlstrom, H., Hansen, T.. Total atherosclerotic burden by whole body magnetic resonance angiography predicts major adverse cardiovascular events. <i>Atherosclerosis</i> . 2013. 228:148-52	Aim
Luu, Judy M., Friedrich, Matthias G., Harker, Jodi, Dwyer, Nathan, Guensch, Dominik, Mikami, Yoko, Faris, Peter, Hare, James L.. Relationship of vasodilator-induced changes in myocardial oxygenation with the severity of coronary artery stenosis: a study using oxygenation-sensitive cardiovascular magnetic resonance. <i>European Heart Journal - Cardiovascular Imaging</i> . 2014. 15:1358-1367	Data level
Ma, H., Tang, Q., Yang, Q., Bi, X., Li, H., Ge, L., Lin, K., Xu, D., Du, X., Lu, J., An, J., Jin, L., Jerecic, R., Li, K., Li, D.. Contrast-enhanced whole-heart coronary MRA at 3.0T for the evaluation of cardiac venous anatomy. <i>The International Journal of Cardiovascular Imaging</i> . 2011. 27:1003-9	Setting
Ma, H., Yang, J., Liu, J., Ge, L., An, J., Tang, Q., Li, H., Zhang, Y., Chen, D., Wang, Y., Liu, J., Liang, Z., Lin, K., Jin, L., Bi, X., Li, K., Li, D.. Myocardial perfusion magnetic resonance imaging using sliding-window conjugate-gradient highly constrained back-projection reconstruction for detection of coronary artery disease. <i>American Journal of Cardiology</i> . 2012. 109:1137-41	Setting
Ma, H., Zhang, Y., Chen, J., Yang, J.. Whole Left Ventricular Coverage Versus Conventional 3-Slice Myocardial Perfusion Magnetic Resonance Imaging for the Detection of Suspected Coronary Artery Disease. <i>Academic Radiology</i> . 2019. 26:519-525	Comparator
Maaniitty, T., Stenstrom, I., Bax, J. J., Uusitalo, V., Ukkonen, H., Kajander, S., Maki, M., Saraste, A., Knuuti, J.. Prognostic Value of Coronary CT Angiography With Selective PET Perfusion Imaging in Coronary Artery Disease. <i>Jacc: Cardiovascular Imaging</i> . 2017. 10:1361-1370	Aim
MacAlpin, R. N.. The fragmented QRS: does it really indicate a ventricular abnormality?. <i>Journal of Cardiovascular Medicine</i> . 2010. 11:801-9	Comparator
Macaya, F., Moreu, M., Ruiz-Pizarro, V., Salazar, C. H., Pozo, E., Aldazabal, A., Guerra, R., Rosati, S., Salinas, P., Gonzalo, N., Perez-Vizcayno, M. J., Perez de Isla, L., Fernandez-Ortiz, A., Macaya, C., Adlam, D., Arrazola, J., Escaned, J.. Screening of extra-coronary arteriopathy with magnetic resonance angiography in patients with spontaneous coronary artery dissection: a single-centre experience. <i>Cardiovascular Diagnosis &amp; Therapy</i> . 2019. 9:229-238	Study Design
Maceira, A. M., Prasad, S. K., Pennell, D. J., Mohiaddin, R. H.. Integrated evaluation of hypertensive patients with cardiovascular magnetic resonance. <i>International Journal of Cardiology</i> . 2008. 125:383-90	Population

Study Citation	Reason for Exclusion
Madry, W., Karolczak, M. A., Myszkowski, M., Zacharska-Kokot, E.. Non-invasive diagnosis of aortic arch anomalies in children - 15 years of own experience. <i>Journal of Ultrasonography</i> . 2019. 19:5-8	Intervention
Mahmoudi, M., Harden, S., Abid, N., Peebles, C., Nicholas, Z., Jones, T., McKenzie, D., Curzen, N.. Troponin-positive chest pain with unobstructed coronary arteries: definitive differential diagnosis using cardiac MRI. <i>British Journal of Radiology</i> . 2012. 85:e461-6	Population
Mahrholdt, H., Zhydkov, A., Hager, S., Meinhardt, G., Vogelsberg, H., Wagner, A., Sechtem, U.. Left ventricular wall motion abnormalities as well as reduced wall thickness can cause false positive results of routine SPECT perfusion imaging for detection of myocardial infarction. <i>European Heart Journal</i> . 2005. 26:2127-35	Population
Maintz, D., Ozgun, M., Hoffmeier, A., Fischbach, R., Kim, W. Y., Stuber, M., Manning, W. J., Heindel, W., Botnar, R. M.. Selective coronary artery plaque visualization and differentiation by contrast-enhanced inversion prepared MRI. <i>European Heart Journal</i> . 2006. 27:1732-6	Other (please note rationale)
Maki, Daniel D., Siegelman, Evan S., Roberts, David A., Baum, Richard A., Gefter, Warren B.. Pulmonary Arteriovenous Malformations: Three-dimensional Gadolinium-enhanced MR Angiography—Initial Experience. <i>Radiology</i> . 2001. 219:243-246	Other (please note rationale)
Malago, R., Pezzato, A., Barbiani, C., Tavella, D., Vallerio, P., Pasini, A. F., Cominacini, L., Mucelli, R. P.. Role of MDCT coronary angiography in the clinical setting: economic implications. <i>Radiol Med</i> . 2013. 118:1294-308	Intervention
Malayeri, A. A., Macedo, R., Li, D., Chen, S., Bahrami, H., Lai, S., Lima, J. A., Bluemke, D. A.. Coronary vessel wall evaluation by magnetic resonance imaging in the multi-ethnic study of atherosclerosis: determinants of image quality. <i>Journal of Computer Assisted Tomography</i> . 2009. 33:1-7	Population
Mandal, S., Tadros, S. S., Soni, S., Madan, S.. Single coronary artery anomaly: classification and evaluation using multidetector computed tomography and magnetic resonance angiography. <i>Pediatric Cardiology</i> . 2014. 35:441-9	Other (please note rationale)
Mangion, K., Carrick, D., Clerfond, G., Rush, C., McComb, C., Oldroyd, K. G., Petrie, M. C., Eteiba, H., Lindsay, M., McEntegart, M., Hood, S., Watkins, S., Davie, A., Auger, D. A., Zhong, X., Epstein, F. H., Haig, C. E., Berry, C.. Predictors of segmental myocardial functional recovery in patients after an acute ST-Elevation myocardial infarction. <i>European Journal of Radiology</i> . 2019. 112:121-129	Aim
Mangold, S., Kramer, U., Franzen, E., et al. Detection of cardiovascular disease in elite athletes using cardiac magnetic resonance imaging. <i>Rofo: Fortschritte auf dem Gebiete der Rontgenstrahlen und der Nuklearmedizin</i> . 2013. 185:1167-74	Aim
Manka, R., Jahnke, C., Gebker, R., Schnackenburg, B., Paetsch, I.. Head-to-head comparison of first-pass MR perfusion imaging during adenosine and high-dose dobutamine/atropine stress. <i>The International Journal of Cardiovascular Imaging</i> . 2011. 27:995-1002	Intervention
Manka, R., Jahnke, C., Kozerke, S., et al. Dynamic 3-dimensional stress cardiac magnetic resonance perfusion imaging: detection of coronary artery disease and volumetry of myocardial hypoenhancement before and after coronary stenting. <i>Journal of the American College of Cardiology</i> . 2011. 57:437-44	Population
Manka, R., Paetsch, I., Kozerke, S., et al. Whole-heart dynamic three-dimensional magnetic resonance perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve: determination of volumetric myocardial ischaemic burden and coronary lesion location. <i>European Heart Journal</i> . 2012. 33:2016-24	Other (please note rationale)
Manka, R., Vitanis, V., Boesiger, P., Flammer, A. J., Plein, S., Kozerke, S.. Clinical feasibility of accelerated, high spatial resolution myocardial perfusion imaging. <i>Jacc: Cardiovascular Imaging</i> . 2010. 3:710-7	Intervention

Study Citation	Reason for Exclusion
Manka, R., Wissmann, L., Gebker, R., et al. Multicenter evaluation of dynamic three-dimensional magnetic resonance myocardial perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve. <i>Circulation. Cardiovascular imaging.</i> 2015. 8:#pages#	Other (please note rationale)
Manso, B., Castellote, A., Dos, L., Casaldaliga, J.. Myocardial perfusion magnetic resonance imaging for detecting coronary function anomalies in asymptomatic paediatric patients with a previous arterial switch operation for the transposition of great arteries. <i>Cardiology in the Young.</i> 2010. 20:410-7	Population
Mark, P. B., Doyle, A., Blyth, K. G., Patel, R. K., Weir, R. A., Steedman, T., Foster, J. E., Dargie, H. J., Jardine, A. G.. Vascular function assessed with cardiovascular magnetic resonance predicts survival in patients with advanced chronic kidney disease. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2008. 10:39	Population
Marmursztejn, J., Vignaux, O., Cohen, P., Guilpain, P., Pagnoux, C., Gouya, H., Mounthou, L., Legmann, P., Duboc, D., Guillevin, L.. Impact of cardiac magnetic resonance imaging for assessment of Churg-Strauss syndrome: a cross-sectional study in 20 patients. <i>Clinical &amp; Experimental Rheumatology.</i> 2009. 27:S70-6	Other (please note rationale)
Maron, David J., Hochman, Judith S., Reynolds, Harmony R., et al. Initial Invasive or Conservative Strategy for Stable Coronary Disease. <i>New England Journal of Medicine.</i> 2020. 382:1395-1407	Intervention
Martinez-Milla, J., Garcia, M. C., Urquia, M. T., Castillo, M. L., Arbiol, A. D., Monteagudo, A. L. R., Mariscal, M. L. M., Figueiro, S. B., Franco-Pelaez, J. A., Tunon, J.. Blockade of Renin-Angiotensin-Aldosterone System in Elderly Patients with Heart Failure and Chronic Kidney Disease: Results of a Single-Center, Observational Cohort Study. <i>Drugs &amp; Aging.</i> 2019. 36:1123-1131	Intervention
Mather, A. N., Lockie, T., Nagel, E., Marber, M., Perera, D., Redwood, S., Radjenovic, A., Saha, A., Greenwood, J. P., Plein, S.. Appearance of microvascular obstruction on high resolution first-pass perfusion, early and late gadolinium enhancement CMR in patients with acute myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2009. 11:33	Population
Matoh, F., Satoh, H., Shiraki, K., Odagiri, K., Saitoh, T., Urushida, T., Katoh, H., Takehara, Y., Sakahara, H., Hayashi, H.. The usefulness of delayed enhancement magnetic resonance imaging for diagnosis and evaluation of cardiac function in patients with cardiac sarcoidosis. <i>Journal of Cardiology.</i> 2008. 51:179-88	Population
Mavrogeni, S. I., Manginas, A., Papadakis, E., Douskou, M., Cokkinos, D., Katsiva, V., Foussas, S., Voudris, V., Giakoumelos, A., Seimenis, I., Baras, P., Cokkinos, D. V.. Coronary flow evaluation by TIMI frame count and magnetic resonance flow velocity in patients with coronary artery ectasia. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2005. 7:545-50	Population
Mavrogeni, S. I., Manginas, A., Papadakis, E., Foussas, S., Douskou, M., Baras, P., Seimenis, I., Cokkinos, D. V.. Correlation between magnetic resonance angiography (MRA) and quantitative coronary angiography (QCA) in ectatic coronary vessels. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2004. 6:17-23	Population
Mavrogeni, S., Bratis, K., Gavra, P., Fousteris, E., Markussis, V., Kolovou, G., van Wijk, K., Hautemann, D., Reiber, J. H., Melidonis, A.. Stress cardiac magnetic resonance reveals myocardial perfusion impairment in asymptomatic diabetes mellitus type I, missed by the routine non-invasive evaluation. <i>International Journal of Cardiology.</i> 2013. 167:e167-9	Population
Mavrogeni, S., Bratis, K., Papadopoulos, G., Terrovitis, J., Kitsiou, A., Kattamis, A., Papavassiliou, A., Ageli, K., Kolovou, G.. The Greek cardiac magnetic resonance experience: a comparison with the EuroCMR Registry. <i>Hjc Hellenic Journal of Cardiology.</i> #year#. 54:355-61	Population

Study Citation	Reason for Exclusion
McCarthy, R. M., Deshpande, V. S., Beohar, N., Meyers, S. N., Shea, S. M., Green, J. D., Liu, X., Bi, X., Pereles, F. S., Finn, J. P., Davidson, C. J., Carr, J. C., Li, D.. Three-dimensional breathhold magnetization-prepared TrueFISP: a pilot study for magnetic resonance imaging of the coronary artery disease. <i>Investigative Radiology</i> . 2007. 42:665-70	Data level
Meindl, C., Achatz, B., Huber, D., Baessler, A., Hubauer, U., Meisinger, C., Hengstenberg, C., Erdmann, J., Buchner, S., Maier, L., Schunkert, H., Debl, K., Fischer, M.. Coronary Artery Ectasia Are Frequently Observed in Patients With Bicuspid Aortic Valves With and Without Dilatation of the Ascending Aorta. <i>Circulation: Cardiovascular Interventions</i> . 2016. 9:10	Population
Merkle, N., Wahrle, J., Grebe, O., Nusser, T., Kunze, M., Kestler, H. A., Kochs, M., Hombach, V.. Assessment of myocardial perfusion for detection of coronary artery stenoses by steady-state, free-precession magnetic resonance first-pass imaging. <i>Heart</i> . 2007. 93:1381-5	Intervention
Merkle, N., Wahrle, J., Nusser, T., Grebe, O., Spiess, J., Torzewski, J., Hombach, V.. Diagnostic performance of magnetic resonance first pass perfusion imaging is equally potent in female compared to male patients with coronary artery disease. <i>Clinical Research in Cardiology</i> . 2010. 99:21-8	Intervention
Mewton, N., Bonnefoy, E., Revel, D., Ovize, M., Kirkorian, G., Croisille, P.. Presence and extent of cardiac magnetic resonance microvascular obstruction in reperfused non-ST-elevated myocardial infarction and correlation with infarct size and myocardial enzyme release. <i>Cardiology</i> . 2009. 113:50-8	Population
Meyer, C., Strach, K., Thomas, D., Litt, H., Nahle, C. P., Tiemann, K., Schwenger, U., Schild, H. H., Sommer, T.. High-resolution myocardial stress perfusion at 3 T in patients with suspected coronary artery disease. <i>European radiology</i> . 2008. 18:226-233	Intervention
Miao, C., Chen, S., Macedo, R., Lai, S., Liu, K., Li, D., Wasserman, B. A., Vogel-Claussen, J., Lima, J. A., Bluemke, D. A.. Positive remodeling of the coronary arteries detected by magnetic resonance imaging in an asymptomatic population: MESA (Multi-Ethnic Study of Atherosclerosis). <i>Journal of the American College of Cardiology</i> . 2009. 53:1708-15	Population
Milks, M. W., Upadhyaya, B., Hall, M. E., Vasu, S., Hundley, W. G., Stacey, R. B.. Right ventricular stress-induced perfusion defects and late gadolinium enhancement in coronary artery disease. <i>Journal of Computer Assisted Tomography</i> . 2015. 39:185-8	Aim
Miller, C. A., Sarma, J., Naish, J. H., et al. Multiparametric cardiovascular magnetic resonance assessment of cardiac allograft vasculopathy. <i>Journal of the American College of Cardiology</i> . 2014. 63:799-808	Population
Miller, C. D., Hwang, W., Case, D., Hoekstra, J. W., Lefebvre, C., Blumstein, H., Hamilton, C. A., Harper, E. N., Hundley, W. G.. Stress CMR imaging observation unit in the emergency department reduces 1-year medical care costs in patients with acute chest pain: a randomized study for comparison with inpatient care. <i>JACC Cardiovasc Imaging</i> . 2011. 4:862-70	Setting
Miller, C. D., Hwang, W., Hoekstra, J. W., Case, D., Lefebvre, C., Blumstein, H., Hiestand, B., Diercks, D. B., Hamilton, C. A., Harper, E. N., Hundley, W. G.. Stress cardiac magnetic resonance imaging with observation unit care reduces cost for patients with emergent chest pain: a randomized trial. <i>Ann Emerg Med</i> . 2010. 56:209-219.e2	Setting
Miller, Chadwick D., Case, L. Douglas, Little, William C., Mahler, Simon A., Burke, Gregory L., Harper, Erin N., Lefebvre, Cedric, Hiestand, Brian, Hoekstra, James W., Hamilton, Craig A., Hundley, W. Gregory. Stress CMR Reduces Revascularization, Hospital Readmission, and Recurrent Cardiac Testing in Intermediate-Risk Patients With Acute Chest Pain. <i>JACC: Cardiovascular Imaging</i> . 2013. 6:785-794	Population

Study Citation	Reason for Exclusion
Miller, S., Helber, U., Brechtel, K., Nagele, T., Hahn, U., Kramer, U., Hoffmeister, H. M., Claussen, C. D.. MR imaging at rest early after myocardial infarction: detection of preserved function in regions with evidence for ischemic injury and non-transmural myocardial infarction. European Radiology. 2003. 13:498-506	Population
Miller, T., Chin, M. S., Gharagouzloo, C., Aghayev, A., Zheng, S., Kwong, R., Memon, A. A., Siedlecki, A. M.. Ferumoxytol-Enhanced Coronary Magnetic Resonance Angiography Compared to Invasive Coronary Angiography for Detection of Epicardial Coronary Artery Disease. Kidney Medicine. 2021. 3:139-141	Study Design
Min, J. K., Gilmore, A., Jones, E. C., Berman, D. S., Stuijffzand, W. J., Shaw, L. J., O'Day, K., Danad, I.. Cost-effectiveness of diagnostic evaluation strategies for individuals with stable chest pain syndrome and suspected coronary artery disease. Clin Imaging. 2017. 43:97-105	Intervention
Min, J. K., Robinson, M., Shaw, L. J., Lin, F., Legorreta, A. P., Gilmore, A.. Differences in episode-based care costs for multidetector computed tomographic coronary angiography versus myocardial perfusion imaging for the diagnosis of coronary artery disease. Journal of Medical Economics. 2008. 11:327-40	Publication Date
Min, J. Y., Ko, S. M., Song, I. Y., Yi, J. G., Hwang, H. K., Shin, J. K.. Comparison of the Diagnostic Accuracies of 1.5T and 3T Stress Myocardial Perfusion Cardiovascular Magnetic Resonance for Detecting Significant Coronary Artery Disease. Korean Journal of Radiology. 2018. 19:1007-1020	Intervention
Min, Jee Young,Ko, Sung Min,Song, In Young,Yi, Jung Geun,Hwang, Hweung Kon,Shin, Je Kyoun. Comparison of the Diagnostic Accuracies of 1.5T and 3T Stress Myocardial Perfusion Cardiovascular Magnetic Resonance for Detecting Significant Coronary Artery Disease. Korean J Radiol. 2018. 19:1007-1020	Intervention
Miyoshi, T., Honda, T., Shinozuka, F., Sadamoto, K., Yamaguchi, O.. Efficacy of Magnetic Resonance Coronary Angiography. Circulation Journal. 2021. 85:401	Study Design
Mohammadzadeh, A., Faeghi, F., Sahraee, N., et al. Diagnostic Efficacy of Coronary Artery Three-Dimensional Steady-State Free Precession Magnetic Resonance Angiography in Comparison with Invasive Coronary Angiography for Detecting Coronary Artery Disease. Archives of Iranian Medicine. 2017. 20:314-319	Setting
Moon, J. C., Mogensen, J., Elliott, P. M., Smith, G. C., Elkington, A. G., Prasad, S. K., Pennell, D. J., McKenna, W. J.. Myocardial late gadolinium enhancement cardiovascular magnetic resonance in hypertrophic cardiomyopathy caused by mutations in troponin I. Heart. 2005. 91:1036-40	Population
Moon, J. C., Sachdev, B., Elkington, A. G., et al. Gadolinium enhanced cardiovascular magnetic resonance in Anderson-Fabry disease. Evidence for a disease specific abnormality of the myocardial interstitium. European Heart Journal. 2003. 24:2151-5	Population
Moral, S., Rodriguez-Palomares, J. F., Descalzo, M., Marti, G., Pineda, V., Otaegui, I., Garcia Del Blanco, B., Evangelista, A., Garcia-Dorado, D.. Quantification of myocardial area at risk: validation of coronary angiographic scores with cardiovascular magnetic resonance methods. Revista Espanola de Cardiologia. 2012. 65:1010-7	Population
Mor-Avi, V., Koch, R., Holper, E. M., et al. Value of vasodilator stress myocardial contrast echocardiography and magnetic resonance imaging for the differential diagnosis of ischemic versus nonischemic cardiomyopathy. Journal of the American Society of Echocardiography. 2008. 21:425-32	Population
Mordini, F. E., Haddad, T., Hsu, L. Y., et al. Diagnostic accuracy of stress perfusion CMR in comparison with quantitative coronary angiography: fully quantitative, semiquantitative, and qualitative assessment. Jacc: Cardiovascular Imaging. 2014. 7:14-22	Intervention

Study Citation	Reason for Exclusion
Morton, G., Chiribiri, A., Ishida, M., et al. Quantification of absolute myocardial perfusion in patients with coronary artery disease: comparison between cardiovascular magnetic resonance and positron emission tomography. <i>Journal of the American College of Cardiology.</i> 2012. 60:1546-55	Data level
Moschetti, K., Favre, D., Pinget, C., et al. Comparative cost-effectiveness analyses of cardiovascular magnetic resonance and coronary angiography combined with fractional flow reserve for the diagnosis of coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2014. 16:13	Publication Date
Moschetti, K., Mazzarelli, S., Pinget, C., et al. Cost evaluation of cardiovascular magnetic resonance versus coronary angiography for the diagnostic work-up of coronary artery disease: application of the European Cardiovascular Magnetic Resonance registry data to the German, United Kingdom, Swiss, and United States health care systems. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2012. 14:35	Publication Date
Moschetti, K., Petersen, S. E., Pilz, G., et al. Cost-minimization analysis of three decision strategies for cardiac revascularization: results of the "suspected CAD" cohort of the european cardiovascular magnetic resonance registry. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2016. 18:3	Intervention
Moss, A. J., Williams, M. C., Newby, D. E., Nicol, E. D.. The Updated NICE Guidelines: Cardiac CT as the First-Line Test for Coronary Artery Disease. <i>Curr Cardiovasc Imaging Rep.</i> 2017. 10:15	Study Design
Motwani, M., Jogiya, R., Kozerke, S., Greenwood, J. P., Plein, S.. Advanced cardiovascular magnetic resonance myocardial perfusion imaging: high-spatial resolution versus 3-dimensional whole-heart coverage. <i>Circulation. Cardiovascular imaging.</i> 2013. 6:339-48	Study Design
Motwani, M., Kidambi, A., Sourbron, S., Fairbairn, T. A., Uddin, A., Kozerke, S., Greenwood, J. P., Plein, S.. Quantitative three-dimensional cardiovascular magnetic resonance myocardial perfusion imaging in systole and diastole. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2014. 16:19	Data level
Motwani, M., Lockie, T., Greenwood, J. P., Plein, S.. Accelerated, high spatial resolution cardiovascular magnetic resonance myocardial perfusion imaging. <i>Journal of Nuclear Cardiology.</i> 2011. 18:952-8	Study Design
Motwani, M., Maredia, N., Fairbairn, T. A., Kozerke, S., Greenwood, J. P., Plein, S.. Assessment of ischaemic burden in angiographic three-vessel coronary artery disease with high-resolution myocardial perfusion cardiovascular magnetic resonance imaging. <i>European heart journal cardiovascular Imaging.</i> 2014. 15:701-8	Population
Motwani, M., Maredia, N., Fairbairn, T. A., Kozerke, S., Radjenovic, A., Greenwood, J. P., Plein, S.. High-resolution versus standard-resolution cardiovascular MR myocardial perfusion imaging for the detection of coronary artery disease. <i>Circulation. Cardiovascular imaging.</i> 2012. 5:306-13	Intervention
Moynagh, A., D. O. H. Ici, Uribe, J., Hovasse, T., Unterseeh, T., Louvard, Y., Lefevre, T., Garot, J., Morice, M. C., Garot, P.. A randomized comparison of systematic vs. angiography-guided thrombus aspiration prior to coronary stenting in patients with less than 12h ST-elevation MI. A pilot study. <i>European heart journal.</i> 2011. 32:#pages#	Study Design
Muehling, O. M., Panse, P., Jerosch-Herold, M., Wilson, B. V., Wilson, R. F., Wilke, N. M., Miller, L. W.. Cardiac magnetic resonance perfusion imaging identifies transplant arteriopathy by a reduced endomyocardial resting perfusion. <i>Journal of Heart &amp; Lung Transplantation.</i> 2005. 24:1122-3	Study Design
Muller, M. F., Fleisch, M.. Recurrent coronary artery stenosis: assessment with three-dimensional MR imaging. <i>Journal of Magnetic Resonance Imaging.</i> 2004. 20:383-9	Population

Study Citation	Reason for Exclusion
Mygind, N. D., Pena, A. P., Michelsen, M. M. M., Quayym, A. A. Q., Frestad, D. F., Christensen, T. E. C., Ghotbi, A. A. G., Hasbak, P. H., Kjaer, A. K., Vejlstrup, N. V., Prescott, E. P., Kastrup, J. K.. Myocardial first pass perfusion assessed by cardiac magnetic resonance and coronary microvascular dysfunction in women with angina and no obstructive coronary artery disease: the iPOWER study. European heart journal. 2017. 38:#pages#	Study Design
Mygind, N. D., Pena, A., Mide Michelsen, M., Ali Qayyum, A., Frestad, D., Emil Christensen, T., Ali Ghotbi, A., Hasbak, P., Kjaer, A., Vejlstrup, N., Gustafsson, I., Riis Hansen, P., Steen Hansen, H., Prescott, E., Kastrup, J.. Myocardial first pass perfusion assessed by cardiac magnetic resonance and coronary microvascular dysfunction in women with angina and no obstructive coronary artery disease. Scandinavian Journal of Clinical & Laboratory Investigation. 2019. 79:238-246	Population
Nagel, E., Greenwood, J. P., McCann, G. P., Bettencourt, N., Shah, A. M., Hussain, S. T., Perera, D., Plein, S., Bucciarelli-Ducci, C., Paul, M., Westwood, M. A., Marber, M., Richter, W. S., Puntmann, V. O., Schwenke, C., Schulz-Menger, J., Das, R., Wong, J., Hausenloy, D. J., Steen, H., Berry, C., Investigators, Mr-Inform. Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. New England Journal of Medicine. 2019. 380:2418-2428	Intervention
Nagel, E., Thouet, T., Klein, C., Schalla, S., Bornstedt, A., Schnackenburg, B., Hug, J., Wellnhofer, E., Fleck, E.. Noninvasive determination of coronary blood flow velocity with cardiovascular magnetic resonance in patients after stent deployment. Circulation. 2003. 107:1738-43	Population
Nagel, E.. Magnetic resonance coronary angiography: the condemned live longer. Journal of the American College of Cardiology. 2010. 56:992-4	Study Design
Nagel, Eike, Klein, Christoph, Paetsch, Ingo, Hettwer, Sabine, Schnackenburg, Bernhard, Wegscheider, Karl, Fleck, Eckart. Magnetic Resonance Perfusion Measurements for the Noninvasive Detection of Coronary Artery Disease. Circulation. 2003. 108:432-437	Intervention
Nakajima, H., Onishi, K., Kurita, T., Ishida, M., Nagata, M., Kitagawa, K., Dohi, K., Nakamura, M., Sakuma, H., Ito, M.. Hypertension impairs myocardial blood perfusion reserve in subjects without regional myocardial ischemia. Hypertension Research - Clinical & Experimental. 2010. 33:1144-9	Aim
Nakajima, T., Oriuchi, N., Tsushima, Y., Funabasama, S., Aoki, J., Endo, K.. Noninvasive determination of regional myocardial perfusion with first-pass magnetic resonance (MR) imaging. Academic Radiology. 2004. 11:802-8	Other (please note rationale)
Nakamori, S., Onishi, K., Ishida, M., Nakajima, H., Yamada, T., Nagata, M., Kitagawa, K., Dohi, K., Nakamura, M., Sakuma, H., Ito, M.. Myocardial perfusion reserve is impaired in patients with chronic obstructive pulmonary disease: a comparison to current smokers. European heart journal cardiovascular Imaging. 2014. 15:180-8	Aim
Nakamori, S., Onishi, K., Nakajima, H., Yoon, Y. E., Nagata, M., Kurita, T., Yamada, T., Kitagawa, K., Dohi, K., Nakamura, M., Sakuma, H., Ito, M.. Impaired myocardial perfusion reserve in patients with fatty liver disease assessed by quantitative myocardial perfusion magnetic resonance imaging. Circulation Journal. 2012. 76:2234-40	Population
Nakamori, S., Sakuma, H., Dohi, K., et al. Combined Assessment of Stress Myocardial Perfusion Cardiovascular Magnetic Resonance and Flow Measurement in the Coronary Sinus Improves Prediction of Functionally Significant Coronary Stenosis Determined by Fractional Flow Reserve in Multivessel Disease. Journal of the American Heart Association. 2018. 7:26	Population
Namba, Y., Fuke, S., Kashihara, Y., Tanaka, M., Yumoto, A., Saito, H., Sato, T.. Diagnostic Accuracy of Three Different Protocols for 3.0T Coronary Magnetic Resonance Angiography. International Heart Journal. 2016. 57:535-40	Data level

Study Citation	Reason for Exclusion
Nanni, S., Lovato, L., Ghetti, G., et al. Utility of stress perfusion-cardiac magnetic resonance in follow-up of patients undergoing percutaneous coronary interventions of the left main coronary artery. <i>The International Journal of Cardiovascular Imaging.</i> 2017. 33:1589-1597	Population
Narducci, M. L., La Rosa, G., Pinnacchio, G., Inzani, F., d'Amati, G., Perna, F., Bencardino, G., D'Amario, D., Pieroni, M., Russo, A. D., Casella, M., Pelargonio, G., Crea, F.. Assessment of patients presenting with life-threatening ventricular arrhythmias and suspected myocarditis: The key role of endomyocardial biopsy. <i>Heart Rhythm.</i> 2021. 29:29	Comparator
Narducci, M. L., Pelargonio, G., La Rosa, G., Inzani, F., d'Amati, G., Novelli, V., Marano, R., Perna, F., Bencardino, G., Pinnacchio, G., Genuardi, M., Cammarano, M., Palmieri, V., Zeppilli, P., Crea, F.. Role of extensive diagnostic workup in young athletes and nonathletes with complex ventricular arrhythmias. <i>Heart Rhythm.</i> 2020. 17:230-237	Aim
Nct. A Clinical Trials of Quick-Acting Heart Reliever for Moderate Coronary Stenosis. <a href="https://clinicaltrials.gov/show/NCT01513070">https://clinicaltrials.gov/show/NCT01513070</a> . 2012. #volume#:#pages#	Study Design
Nct. A Study of Gadodiamide Injection in Myocardial Perfusion Magnetic Resonance Imaging. <a href="https://clinicaltrials.gov/show/NCT00977093">https://clinicaltrials.gov/show/NCT00977093</a> . 2009. #volume#:#pages#	Study Design
Nct. A Trial in Stable Intermediate Coronary Lesions and Grey-zone FFR Values. <a href="https://clinicaltrials.gov/show/NCT02425969">https://clinicaltrials.gov/show/NCT02425969</a> . 2015. #volume#:#pages#	Study Design
Nct. Acute Chest Pain Imaging in the ED With the Combine CCTA and CT Perfusion. <a href="https://clinicaltrials.gov/show/NCT02538861">https://clinicaltrials.gov/show/NCT02538861</a> . 2015. #volume#:#pages#	Study Design
Nct. Aldosterone and Vascular Disease in Diabetes Mellitus. <a href="https://clinicaltrials.gov/show/NCT00214825">https://clinicaltrials.gov/show/NCT00214825</a> . 2005. #volume#:#pages#	Study Design
Nct. Aldosterone, the Mineralocorticoid Receptor, and Cardiovascular Disease in Obesity. <a href="https://clinicaltrials.gov/show/NCT04519164">https://clinicaltrials.gov/show/NCT04519164</a> . 2020. #volume#:#pages#	Study Design
Nct. Anti-Inflammatory Actions of Valsartan in Patients With Type 2 Diabetes Mellitus. <a href="https://clinicaltrials.gov/show/NCT00982358">https://clinicaltrials.gov/show/NCT00982358</a> . 2009. #volume#:#pages#	Study Design
Nct. CArdiac cT in the Treatment of Acute CHest Pain 2 - Myocardial CT Perfusion. <a href="https://clinicaltrials.gov/show/NCT02014311">https://clinicaltrials.gov/show/NCT02014311</a> . 2013. #volume#:#pages#	Study Design
Nct. CArdiac cT in the Treatment of Acute CHest Pain 2 - Myocardial CT Perfusion. <a href="https://clinicaltrials.gov/show/NCT02014311">https://clinicaltrials.gov/show/NCT02014311</a> . 2013. #volume#:#pages#	Study Design
Nct. Century Trial, a Randomized Lifestyle Modification Study for Management of Stable Coronary Artery Disease. <a href="https://clinicaltrials.gov/show/NCT00756379">https://clinicaltrials.gov/show/NCT00756379</a> . 2008. #volume#:#pages#	Study Design
Nct. Combined Non-invasive Coronary Angiography and Myocardial Perfusion Imaging Using 320 Detector Computed Tomography. <a href="https://clinicaltrials.gov/show/NCT00934037">https://clinicaltrials.gov/show/NCT00934037</a> . 2009. #volume#:#pages#	Study Design
Nct. Comprehensive Cardiac CT Versus Exercise Testing in Suspected Coronary Artery Disease (2). <a href="https://clinicaltrials.gov/show/NCT02291484">https://clinicaltrials.gov/show/NCT02291484</a> . 2014. #volume#:#pages#	Study Design
Nct. CORonary MICrovascular Angina (CorMicA). <a href="https://clinicaltrials.gov/show/NCT03193294">https://clinicaltrials.gov/show/NCT03193294</a> . 2017. #volume#:#pages#	Study Design
Nct. Coronary Microvascular Angina Cardiac Magnetic Resonance Imaging (CorCMR) Trial. <a href="https://clinicaltrials.gov/show/NCT04805814">https://clinicaltrials.gov/show/NCT04805814</a> . 2021. #volume#:#pages#	Study Design
Nct. CT Stress Myocardial Perfusion, Fractional Flow Reserve and Angiography in Patients With Stable Chest Pain Syndromes. <a href="https://clinicaltrials.gov/show/NCT04709900">https://clinicaltrials.gov/show/NCT04709900</a> . 2021. #volume#:#pages#	Study Design
Nct. Cyclosporine A to Treat Hypertrophic Cardiomyopathy (HCM). <a href="https://clinicaltrials.gov/show/NCT00001965">https://clinicaltrials.gov/show/NCT00001965</a> . 2000. #volume#:#pages#	Study Design

Study Citation	Reason for Exclusion
Nct. Detection of Diffuse Scar in Patients With Diabetes. <a href="https://clinicaltrials.gov/show/NCT01794091">https://clinicaltrials.gov/show/NCT01794091</a> . 2013. #volume#:#pages#	Study Design
Nct. Dynamic Effects of Online HDF on Cardiac Function and Myocardial Perfusion Utilising Cardiac MRI (CAMRID). <a href="https://clinicaltrials.gov/show/NCT02494843">https://clinicaltrials.gov/show/NCT02494843</a> . 2015. #volume#:#pages#	Study Design
Nct. Effect of Liraglutide on Diastolic Dysfunction on Cardiac MRI in Type 2 Diabetes Patients. <a href="https://clinicaltrials.gov/show/NCT02655770">https://clinicaltrials.gov/show/NCT02655770</a> . 2016. #volume#:#pages#	Study Design
Nct. Efficacy of Ticagrelor vs Clopidogrel in High-risk NSTE-ACS Patients Undergoing Early PCI. <a href="https://clinicaltrials.gov/show/NCT02201667">https://clinicaltrials.gov/show/NCT02201667</a> . 2014. #volume#:#pages#	Study Design
Nct. Efficacy Study on Early Versus Late Abciximab Administration During Primary Coronary Angioplasty. <a href="https://clinicaltrials.gov/show/NCT00354406">https://clinicaltrials.gov/show/NCT00354406</a> . 2006. #volume#:#pages#	Study Design
Nct. Evaluation of Integrated Cardiac Imaging in Ischemic Heart Disease. <a href="https://clinicaltrials.gov/show/NCT00979199">https://clinicaltrials.gov/show/NCT00979199</a> . 2009. #volume#:#pages#	Study Design
Nct. Glycoprotein IIb/IIIa Inhibitors Versus Standard Therapy in Patients With Myocardial Infarction and No-reflow. <a href="https://clinicaltrials.gov/show/NCT02739711">https://clinicaltrials.gov/show/NCT02739711</a> . 2016. #volume#:#pages#	Study Design
Nct. Imaging vs. no Testing in Asymptomatic High-risk Diabetic Patients. <a href="https://clinicaltrials.gov/show/NCT04388280">https://clinicaltrials.gov/show/NCT04388280</a> . 2020. #volume#:#pages#	Study Design
Nct. Ivabradine and Post-revascularisation Microcirculatory Dysfunction. <a href="https://clinicaltrials.gov/show/NCT02507050">https://clinicaltrials.gov/show/NCT02507050</a> . 2015. #volume#:#pages#	Study Design
Nct. Magnetic Resonance Adenosine Perfusion Imaging as Gatekeeper of Invasive Coronary Intervention. <a href="https://clinicaltrials.gov/show/NCT02580851">https://clinicaltrials.gov/show/NCT02580851</a> . 2015. #volume#:#pages#	Study Design
Nct. Magnetic Resonance Adenosine Perfusion Imaging as Gatekeeper of Invasive Coronary Intervention. <a href="https://clinicaltrials.gov/show/NCT02580851">https://clinicaltrials.gov/show/NCT02580851</a> . 2015. #volume#:#pages#	Study Design
Nct. Mineralocorticoid Receptor Antagonists in End Stage Renal Disease. <a href="https://clinicaltrials.gov/show/NCT01691053">https://clinicaltrials.gov/show/NCT01691053</a> . 2012. #volume#:#pages#	Study Design
Nct. Multicenter, Double Blind, Randomized Dose Finding Study in Myocardial Perfusion MRI With Gadavist(R)1.0. <a href="https://clinicaltrials.gov/show/nct01490294">Http://clinicaltrials.gov/show/nct01490294</a> . 2004. #volume#:#pages#	Study Design
Nct. Myocardial Flow Reserve in Severe AS Without Obstructive Coronary Artery Disease. <a href="https://clinicaltrials.gov/show/NCT02575768">https://clinicaltrials.gov/show/NCT02575768</a> . 2015. #volume#:#pages#	Study Design
Nct. New Heart Imaging Techniques to Evaluate Possible Heart Disease. <a href="https://clinicaltrials.gov/show/NCT01399385">https://clinicaltrials.gov/show/NCT01399385</a> . 2011. #volume#:#pages#	Study Design
Nct. Optimising Pacing for Contractility 2. <a href="https://clinicaltrials.gov/show/NCT04201015">https://clinicaltrials.gov/show/NCT04201015</a> . 2019. #volume#:#pages#	Study Design
Nct. PCI Alternative Using Sustained Exercise. <a href="https://clinicaltrials.gov/show/NCT03520400">https://clinicaltrials.gov/show/NCT03520400</a> . 2018. #volume#:#pages#	Study Design
Nct. Peripheral and Coronary Endothelial Dysfunction In Type 2diabetic Patients- Role of Metformin. <a href="https://clinicaltrials.gov/show/NCT00169624">https://clinicaltrials.gov/show/NCT00169624</a> . 2005. #volume#:#pages#	Study Design
Nct. Prospective Randomized Trial On RadiaTion Dose Estimates Of CT AngIOgraphy In PatieNts Scanned With A 100kV Protocol. <a href="https://clinicaltrials.gov/show/NCT00611780">https://clinicaltrials.gov/show/NCT00611780</a> . 2008. #volume#:#pages#	Study Design
Nct. Prospective Randomized Trial On RadiaTion Dose Estimates Of CT AngIOgraphy In PatieNts Scanned With A Sequential Scan Protocol. <a href="https://clinicaltrials.gov/show/NCT00612092">https://clinicaltrials.gov/show/NCT00612092</a> . 2008. #volume#:#pages#	Study Design
Nct. Randomized Study to Assess the Effect of ThRombus Aspiration on Flow Area in STEMI Patients. <a href="https://clinicaltrials.gov/show/NCT01271361">https://clinicaltrials.gov/show/NCT01271361</a> . 2011. #volume#:#pages#	Study Design

Study Citation	Reason for Exclusion
Nct. Remote Ischemic Preconditioning in Primary PCI. <a href="https://clinicaltrials.gov/show/NCT00435266">https://clinicaltrials.gov/show/NCT00435266</a> . 2007. #volume#:#pages#	Study Design
Nct. Role of Cardiac CT in Rapid Access Chest Pain Clinics (RADICAL). <a href="https://clinicaltrials.gov/show/NCT01464203">https://clinicaltrials.gov/show/NCT01464203</a> . 2011. #volume#:#pages#	Study Design
Nct. Routine Coronary Catheterization in Low Extremity Artery Disease Undergoing Percutaneous Transluminal Angioplasty. <a href="https://clinicaltrials.gov/show/NCT02169258">https://clinicaltrials.gov/show/NCT02169258</a> . 2014. #volume#:#pages#	Study Design
Nct. Stress Testing and Cardiac Magnetic Resonance. <a href="https://clinicaltrials.gov/show/NCT00871260">https://clinicaltrials.gov/show/NCT00871260</a> . 2009. #volume#:#pages#	Study Design
Nct. Stress-MRI Assessment After Right Coronary Artery CTO Recanalization. <a href="https://clinicaltrials.gov/show/NCT02769650">https://clinicaltrials.gov/show/NCT02769650</a> . 2016. #volume#:#pages#	Study Design
Nct. Study Comparing CT Scan and Stress Test in Diagnosing Coronary Artery Disease in Patients Hospitalized for Chest Pain. <a href="https://clinicaltrials.gov/show/NCT00705458">https://clinicaltrials.gov/show/NCT00705458</a> . 2008. #volume#:#pages#	Study Design
Nct. Study Comparing CT Scan and Stress Test in Patients With Known Coronary Artery Disease Hospitalized for Chest Pain. <a href="https://clinicaltrials.gov/show/NCT01106612">https://clinicaltrials.gov/show/NCT01106612</a> . 2010. #volume#:#pages#	Study Design
Nct. Study of Endothelial Dysfunction in Systemic Lupus and Its Role in Heart Disease. <a href="https://clinicaltrials.gov/show/NCT00188188">https://clinicaltrials.gov/show/NCT00188188</a> . 2005. #volume#:#pages#	Study Design
Nct. The EPIVER Randomized Controlled Trial. <a href="https://clinicaltrials.gov/show/NCT04573751">https://clinicaltrials.gov/show/NCT04573751</a> . 2020. #volume#:#pages#	Study Design
Nct. The Impact of Abdominal Wall Closure Technique on Incidence of Incisional Hernia in Kidney Transplantation. <a href="https://clinicaltrials.gov/show/NCT03959904">https://clinicaltrials.gov/show/NCT03959904</a> . 2019. #volume#:#pages#	Study Design
Nct. The RESTORE-SIRIO Randomized Controlled Trial. <a href="https://clinicaltrials.gov/show/NCT02405130">https://clinicaltrials.gov/show/NCT02405130</a> . 2015. #volume#:#pages#	Study Design
Nct. The Supplementary Role of Non-invasive Imaging to Routine Clinical Practice in Suspected Non-ST-elevation Myocardial Infarction. <a href="https://clinicaltrials.gov/show/NCT01559467">https://clinicaltrials.gov/show/NCT01559467</a> . 2012. #volume#:#pages#	Study Design
Nct. Understanding of Chest Pain in Microvascular Disease Proved by Cardiac Magnetic Resonance Image. <a href="https://clinicaltrials.gov/show/NCT01769482">https://clinicaltrials.gov/show/NCT01769482</a> . 2012. #volume#:#pages#	Study Design
Nct. Women's Heart Attack Research Program- Imaging Study. <a href="https://clinicaltrials.gov/show/NCT02905357">https://clinicaltrials.gov/show/NCT02905357</a> . 2016. #volume#:#pages#	Study Design
Nef, H. M., Mollmann, H., Kostin, S., Troidl, C., Voss, S., Weber, M., Dill, T., Rolf, A., Brandt, R., Hamm, C. W., Elsasser, A.. Tako-Tsubo cardiomyopathy: intraindividual structural analysis in the acute phase and after functional recovery. European Heart Journal. 2007. 28:2456-64	Population
Neglia, D., Rovai, D., Caselli, C., et al. Detection of significant coronary artery disease by noninvasive anatomical and functional imaging. Circulation. Cardiovascular imaging. 2015. 8:#pages#	Intervention
Neill, J., Prvulovich, E. M., Fish, M. B., Berman, D. S., Slomka, P. J., Sharir, T., Martin, W. H., DiCarli, M. F., Ziffer, J. A., Bomanji, J. B., Shiti, D., Ben-Haim, S.. Initial multicentre experience of high-speed myocardial perfusion imaging: comparison between high-speed and conventional single-photon emission computed tomography with angiographic validation. European Journal of Nuclear Medicine & Molecular Imaging. 2013. 40:1084-94	Intervention
Nezafat, R., Han, Y., Peters, D. C., et al. Coronary magnetic resonance vein imaging: imaging contrast, sequence, and timing. Magnetic Resonance in Medicine. 2007. 58:1196-206	Other (please note rationale)

Study Citation	Reason for Exclusion
Ng, M. Y., Chan, K. Y. E., Chan, C. W. S.. Cardiac magnetic resonance stress and rest perfusion with T1 mapping: Is it ready to assess for ischaemic heart disease?. International Journal of Cardiology. 2021. 12:12	Study Design
Ngai, K. M. G.. Can cardiovascular magnetic resonance, myocardial perfusion scintigraphy, or nice guidelines prevent unnecessary angiography?. Journal of clinical outcomes management. 2016. 23:444-446	Study Design
Nguyen, K. L., Bandettini, W. P., Shanbhag, S., Leung, S. W., Wilson, J. R., Arai, A. E.. Safety and tolerability of regadenoson CMR. European heart journal cardiovascular Imaging. 2014. 15:753-60	Intervention
Nguyen, P. K., Meyer, C., Engvall, J., Yang, P., McConnell, M. V.. Noninvasive assessment of coronary vasodilation using cardiovascular magnetic resonance in patients at high risk for coronary artery disease. Journal of Cardiovascular Magnetic Resonance. 2008. 10:28	Population
Nicol, E. D., Stirrup, J., Reyes, E., Roughton, M., Padley, S. P., Rubens, M. B., Underwood, S. R.. Sixty-four-slice computed tomography coronary angiography compared with myocardial perfusion scintigraphy for the diagnosis of functionally significant coronary stenoses in patients with a low to intermediate likelihood of coronary artery disease. Journal of Nuclear Cardiology. 2008. 15:311-8	Intervention
Nijveldt, R., Beek, A. M., Hirsch, A., et al. Functional recovery after acute myocardial infarction: comparison between angiography, electrocardiography, and cardiovascular magnetic resonance measures of microvascular injury. Journal of the American College of Cardiology. 2008. 52:181-9	Population
Nikolaou, K., Huber, A., Knez, A., Becker, C., Bruening, R., Reiser, M.. Intraindividual comparison of contrast-enhanced electron-beam computed tomography and navigator-echo-based magnetic resonance imaging for noninvasive coronary artery angiography. Eur Radiol. 2002. 12:1663-71	Data level
Nilsson, L., Hallen, J., Atar, D., Jonasson, L., Swahn, E.. Early measurements of plasma matrix metalloproteinase-2 predict infarct size and ventricular dysfunction in ST-elevation myocardial infarction. Heart (British Cardiac Society). 2012. 98:31-36	Population
Nissen, L., Winther, S., Isaksen, C., Ejlersen, J. A., Brix, L., Urbonaviciene, G., Frost, L., Madsen, L. H., Knudsen, L. L., Schmidt, S. E., Holm, N. R., Maeng, M., Nyegaard, M., Botker, H. E., Bottcher, M.. Danish study of Non-Invasive testing in Coronary Artery Disease (Dan-NICAD): study protocol for a randomised controlled trial. Trials. 2016. 17:262	Other (please note rationale)
Nissen, L., Winther, S., Westra, J., et al. Influence of Cardiac CT based disease severity and clinical symptoms on the diagnostic performance of myocardial perfusion. The International Journal of Cardiovascular Imaging. 2019. 35:1709-1720	Intervention
Nissen, L., Winther, S., Westra, J., et al. Diagnosing coronary artery disease after a positive coronary computed tomography angiography: the Dan-NICAD open label, parallel, head to head, randomized controlled diagnostic accuracy trial of cardiovascular magnetic resonance and myocardial perfusion scintigraphy. European heart journal cardiovascular Imaging. 2018. 19:369-377	Intervention
Noel, C. V., Krishnamurthy, R., Masand, P., Moffett, B., Schlingmann, T., Cheong, B. Y., Krishnamurthy, R.. Myocardial Stress Perfusion MRI: Experience in Pediatric and Young-Adult Patients Following Arterial Switch Operation Utilizing Regadenoson. Pediatric Cardiology. 2018. 39:1249-1257	Population
Noel, C. V., Krishnamurthy, R., Moffett, B., Krishnamurthy, R.. Myocardial stress perfusion magnetic resonance: initial experience in a pediatric and young adult population using regadenoson. Pediatric Radiology. 2017. 47:280-289	Intervention

Study Citation	Reason for Exclusion
Nordenskjold, A. M., Hammar, P., Ahlstrom, H., Bjerner, T., Duvernoy, O., Eggers, K. M., Frobert, O., Hadziosmanovic, N., Lindahl, B.. Unrecognized myocardial infarctions detected by cardiac magnetic resonance imaging are associated with cardiac troponin I levels. Clinica Chimica Acta. 2016. 455:189-94	Aim
Ntr. Early detection of 'silent' myocardial ischemia and cardiac dysfunction in asymptomatic individuals with increased coronary artery calcium scores - EARLY-synergy. <a href="http://www.who.int/trialsearch/Trial2.aspx?TrialID=NTR6999.. 6999. #volume#:#pages#">http://www.who.int/trialsearch/Trial2.aspx?TrialID=NTR6999.. 6999. #volume#:#pages#</a>	Study Design
Ntsinjana, H. N., Tann, O., Hughes, M., Derrick, G., Secinaro, A., Schievano, S., Muthurangu, V., Taylor, A. M.. Utility of adenosine stress perfusion CMR to assess paediatric coronary artery disease. European heart journal cardiovascular Imaging. 2017. 18:898-905	Intervention
Nunoda, S., Machida, H., Sekikawa, A., Shitakura, K., Okajima, K., Kubo, Y., Ueno, E., Otsuka, K.. Evaluation of cardiac allograft vasculopathy by multidetector computed tomography and whole-heart magnetic resonance coronary angiography. Circulation Journal. 2010. 74:946-53	Population
Obedinsky, A., Kurbatov, V., Kretov, E., Pokushalov, E.. Stress-cardiac magnetic resonance imaging myocardial perfusion in chronic total occlusion patients. European heart journal. 2015. 36:#pages#	Study Design
Oebel, S., Hamada, S., Higashigaito, K., von Spiczak, J., Klotz, E., Enseleit, F., Hinzpeter, R., Ruschitzka, F., Manka, R., Alkadhi, H.. Comprehensive morphologic and functional imaging of heart transplant patients: first experience with dynamic perfusion CT. European Radiology. 2018. 28:4111-4121	Population
Oh, J. K., Velazquez, E. J., Menicanti, L., et al. Influence of baseline left ventricular function on the clinical outcome of surgical ventricular reconstruction in patients with ischaemic cardiomyopathy. European heart journal. 2013. 34:39-47	Aim
Ohuchi, S., Kawazoe, K., Izumoto, H., Yoshioka, K.. Magnetic resonance angiography in coronary artery bypass grafting. Asian Cardiovascular & Thoracic Annals. 2006. 14:43-6	Population
Okuda, S., Tanimoto, A., Satoh, T., Hashimoto, J., Shinmoto, H., Higuchi, N., Nozaki, A., Kurabayashi, S.. Evaluation of ischemic heart disease on a 1.5 Tesla scanner: combined first-pass perfusion and viability study. Radiat Med. 2005. 23:230-5	Intervention
Oleksiak, A., Kruk, M., Pugliese, F., Spiewak, M., Milosz-Wieczorek, B., Marczak, M., Demkow, M., Kepka, C.. Regadenoson dynamic computed tomography myocardial perfusion using low-dose protocol for evaluation of the ischemic burden. ULYSSES study. Journal of cardiovascular computed tomography. 2020. 14:428-436	Comparator
Omerovic, E., Brohall, G., Muller, M., Ramunddal, T., Matejka, G., Waagstein, F., Fagerberg, B.. Silent myocardial infarction in women with type II diabetes mellitus and microalbuminuria. Therapeutics & Clinical Risk Management. 2008. 4:705-12	Population
Oncel, D., Oncel, G., Turkoglu, I.. Accuracy of MR coronary angiography in the evaluation of coronary artery stenosis. Diagnostic & Interventional Radiology. 2008. 14:153-8	Data level
Opolski, M. P., Spiewak, M., Marczak, M., et al. Mechanisms of Myocardial Infarction in Patients With Nonobstructive Coronary Artery Disease: Results From the Optical Coherence Tomography Study. Jacc: Cardiovascular Imaging. 2019. 12:2210-2221	Comparator
Ortiz-Perez, J. T., Lee, D. C., Meyers, S. N., Davidson, C. J., Bonow, R. O., Wu, E.. Determinants of myocardial salvage during acute myocardial infarction: evaluation with a combined angiographic and CMR myocardial salvage index. Jacc: Cardiovascular Imaging. 2010. 3:491-500	Population
Ozgun, M., Rink, M., Hoffmeier, A., Botnar, R. M., Heindel, W., Fischbach, R., Maintz, D.. Intraindividual comparison of 3D coronary MR angiography and coronary CT angiography. Academic Radiology. 2007. 14:910-6	Data level

Study Citation	Reason for Exclusion
Paetsch, I., Foll, D., Langreck, H., Herkommmer, B., Klein, C., Schalla, S., Fleck, E., Nagel, E.. Myocardial perfusion imaging using OMNISCAN: a dose finding study for visual assessment of stress-induced regional perfusion abnormalities. <i>J Cardiovasc Magn Reson.</i> 2004. 6:803-9	Intervention
Paetsch, I., Jahnke, C., Ferrari, V. A., et al. Determination of interobserver variability for identifying inducible left ventricular wall motion abnormalities during dobutamine stress magnetic resonance imaging. <i>European Heart Journal.</i> 2006. 27:1459-64	Outcomes
Paetsch, I., Jahnke, C., Wahl, A., Gebker, R., Neuss, M., Fleck, E., Nagel, E.. Comparison of dobutamine stress magnetic resonance, adenosine stress magnetic resonance, and adenosine stress magnetic resonance perfusion. <i>Circulation.</i> 2004. 110:835-42	Intervention
Pamminger, M., Klug, G., Kranewitter, C., et al. Non-contrast MRI protocol for TAVI guidance: quiescent-interval single-shot angiography in comparison with contrast-enhanced CT. <i>European Radiology.</i> 2020. 30:4847-4856	Population
Pan, J., Huang, S., Lu, Z., Li, J., Wan, Q., Zhang, J., Gao, C., Yang, X., Wei, M.. Comparison of myocardial transmural perfusion gradient by magnetic resonance imaging to fractional flow reserve in patients with suspected coronary artery disease. <i>American Journal of Cardiology.</i> 2015. 115:1333-40	Setting
Panting, J. R., Gatehouse, P. D., Yang, G. Z., Grothues, F., Firmin, D. N., Collins, P., Pennell, D. J.. Abnormal subendocardial perfusion in cardiac syndrome X detected by cardiovascular magnetic resonance imaging. <i>New England Journal of Medicine.</i> 2002. 346:1948-53	Population
Panting, J. R., Gatehouse, P. D., Yang, G. Z., Jerosch-Herold, M., Wilke, N., Firmin, D. N., Pennell, D. J.. Echo-planar magnetic resonance myocardial perfusion imaging: parametric map analysis and comparison with thallium SPECT. <i>Journal of Magnetic Resonance Imaging.</i> 2001. 13:192-200	Data level
Papanastasiou, G., Williams, M. C., Dweck, M. R., Alam, S., Cooper, A., Mirsadraee, S., Newby, D. E., Semple, S. I.. Quantitative assessment of myocardial blood flow in coronary artery disease by cardiovascular magnetic resonance: comparison of Fermi and distributed parameter modeling against invasive methods. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2016. 18:57	Intervention
Paraschin, K., Guerra De Andrade, A., Rodrigues Parga, J.. Assessment of myocardial infarction by CT angiography and cardiovascular MRI in patients with cocaine-associated chest pain: a pilot study. <i>British Journal of Radiology.</i> 2012. 85:e274-8	Population
Park, G. M., Kim, Y. H., Yun, S. C., et al. Anatomic or Functional Evaluation as an Initial Test for Stable Coronary Artery Disease: A Propensity Score Analysis. <i>Journal of Nuclear Medicine.</i> 2016. 57:1364-9	Intervention
Parnham, S., Gleadle, J. M., Leong, D., Grover, S., Bradbrook, C., Woodman, R. J., De Pasquale, C. G., Selvanayagam, J. B.. Myocardial perfusion is impaired in asymptomatic renal and liver transplant recipients: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2015. 17:56	Aim
Patel, A. R., Antkowiak, P. F., Nandalur, K. R., West, A. M., Salerno, M., Arora, V., Christopher, J., Epstein, F. H., Kramer, C. M.. Assessment of advanced coronary artery disease: advantages of quantitative cardiac magnetic resonance perfusion analysis. <i>Journal of the American College of Cardiology.</i> 2010. 56:561-9	Intervention
Patel, K. B., Gupta, H., Nath, H., Aqel, R. A., Zoghbi, G. J., Soto, B., Perry, G. J., Lloyd, S. G.. Origin of all three major coronary arteries from the right sinus of Valsalva: clinical, angiographic, and magnetic resonance imaging findings and incidence in a select referral population. <i>Catheterization &amp; Cardiovascular Interventions.</i> 2007. 69:711-8	Other (please note rationale)
Patel, M. R., Cawley, P. J., Heitner, J. F., et al. Detection of myocardial damage in patients with sarcoidosis. <i>Circulation.</i> 2009. 120:1969-77	Population

Study Citation	Reason for Exclusion
Patel, M. R., Dai, D., Hernandez, A. F., et al. Prevalence and predictors of nonobstructive coronary artery disease identified with coronary angiography in contemporary clinical practice. <i>American Heart Journal.</i> 2014. 167:846-52.e2	Intervention
Pelletier-Galarneau, M., Finnerty, V., Tan, S., Authier, S., Gregoire, J., Harel, F.. Assessment of left ventricular ejection fraction with cardiofocal collimators: Comparison between IQ-SPECT, planar equilibrium radionuclide angiography, and cardiac magnetic resonance. <i>Journal of Nuclear Cardiology.</i> 2019. 26:1857-1864	Comparator
Penagaluri, A., Higgins, A. Y., Vavere, A. L., et al. Computed Tomographic Perfusion Improves Diagnostic Power of Coronary Computed Tomographic Angiography in Women: Analysis of the CORE320 Trial (Coronary Artery Evaluation Using 320-Row Multidetector Computed Tomography Angiography and Myocardial Perfusion) According to Gender. <i>Circulation. Cardiovascular imaging.</i> 2016. 9:#pages#	Intervention
Pereira, E., Bettencourt, N., Ferreira, N., et al. Incremental value of adenosine stress cardiac magnetic resonance in coronary artery disease detection. <i>International Journal of Cardiology.</i> 2013. 168:4160-7	Intervention
Petrov, G., Kelle, S., Fleck, E., Wellnhofer, E.. Incremental cost-effectiveness of dobutamine stress cardiac magnetic resonance imaging in patients at intermediate risk for coronary artery disease. <i>Clin Res Cardiol.</i> 2015. 104:401-9	Setting
Pezel, T., Sanguineti, F., Kinnel, M., Landon, V., Toupin, S., Unterseeh, T., Louvard, Y., Champagne, S., Morice, M. C., Hovasse, T., Garot, P., Garot, J.. Feasibility and Prognostic Value of Vasodilator Stress Perfusion CMR in Patients With Atrial Fibrillation. <i>Jacc: Cardiovascular Imaging.</i> 2021. 14:379-389	Population
Pezel, T., Unterseeh, T., Kinnel, M., Hovasse, T., Sanguineti, F., Toupin, S., Champagne, S., Garot, P., Garot, J.. Long-term prognostic value of stress perfusion cardiovascular magnetic resonance in patients without known coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2021. 23:43	Aim
Pharithi, R. B., Meela, M., Kropmans, T., Ward, F., Conway, M., Newell, M.. Magnetic resonance myocardial perfusion imaging in the diagnosis of functionally significant obstructive coronary artery disease: a systematic review protocol. <i>Systematic Reviews.</i> 2014. 3:53	Study Design
Picano, E., Vano, E., Rehani, M. M., et al. The appropriate and justified use of medical radiation in cardiovascular imaging: a position document of the ESC Associations of Cardiovascular Imaging, Percutaneous Cardiovascular Interventions and Electrophysiology. <i>European Heart Journal.</i> 2014. 35:665-72	Intervention
Pilleul, Frank, Merchant, Naeem. MRI of the Pulmonary Veins: Comparison Between 3D MR Angiography and T1-Weighted Spin Echo. <i>Journal of Computer Assisted Tomography.</i> 2000. 24:#pages#	Comparator
Pilz, G., Bernhardt, P., Klos, M., Ali, E., Wild, M., Hofling, B.. Clinical implication of adenosine-stress cardiac magnetic resonance imaging as potential gatekeeper prior to invasive examination in patients with AHA/ACC class II indication for coronary angiography. <i>Clin Res Cardiol.</i> 2006. 95:531-8	Intervention
Pilz, G., Eierle, S., Heer, T., Klos, M., Ali, E., Scheck, R., Wild, M., Bernhardt, P., Hoefling, B.. Negative predictive value of normal adenosine-stress cardiac MRI in the assessment of coronary artery disease and correlation with semiquantitative perfusion analysis. <i>Journal of Magnetic Resonance Imaging.</i> 2010. 32:615-21	Intervention
Pilz, G., Klos, M., Ali, E., Hoefling, B., Scheck, R., Bernhardt, P.. Angiographic correlations of patients with small vessel disease diagnosed by adenosine-stress cardiac magnetic resonance imaging. <i>J Cardiovasc Magn Reson.</i> 2008. 10:8	Outcomes

Study Citation	Reason for Exclusion
Pineda, V., Figueras, J., Moral, S., et al. Comparison of distinctive clinical and cardiac magnetic resonance features between ST elevation myocardial infarction patients with incomplete myocardial rupture and those with moderate to severe pericardial effusion. European Heart Journal: Acute Cardiovascular Care. 2019. 8:457-466	Aim
Pingitore, A., Lombardi, M., Scattini, B., De Marchi, D., Aquaro, G. D., Positano, V., Picano, E.. Head to head comparison between perfusion and function during accelerated high-dose dipyridamole magnetic resonance stress for the detection of coronary artery disease. Am J Cardiol. 2008. 101:8-14	Data level
Pisaniello, A. D., Dundon, B. K., Maia, M., et al. Dobutamine stress cardiac MRI reliably predicts significant coronary disease in renal transplant candidates. Internal medicine journal. Conference: royal australasian college of physicians future directions in health congress. 2014. 44:#pages#	Study Design
Plass, A., Goetti, R. P., Emmert, M. Y., Caliskan, E., Stolzmann, P., Wieser, M., Donati, O., Alkadhi, H., Falk, V.. The Potential Impact of Functional Imaging on Decision Making and Outcome in Patients Undergoing Surgical Revascularization. Thoracic & Cardiovascular Surgeon. 2015. 63:270-6	Population
Plein, S., Greenwood, J. P., Ridgway, J. P., Cranny, G., Ball, S. G., Sivananthan, M. U.. Assessment of non-ST-segment elevation acute coronary syndromes with cardiac magnetic resonance imaging. Journal of the American College of Cardiology. 2004. 44:2173-81	Population
Plein, S., Kozerke, S., Suerder, D., Luescher, T. F., Greenwood, J. P., Boesiger, P., Schwitter, J.. High spatial resolution myocardial perfusion cardiac magnetic resonance for the detection of coronary artery disease. European Heart Journal. 2008. 29:2148-55	Intervention
Plein, S., Radjenovic, A., Ridgway, J. P., Barmby, D., Greenwood, J. P., Ball, S. G., Sivananthan, M. U.. Coronary artery disease: myocardial perfusion MR imaging with sensitivity encoding versus conventional angiography. Radiology. 2005. 235:423-30	Intervention
Plein, S., Schwitter, J., Suerder, D., Greenwood, J. P., Boesiger, P., Kozerke, S.. k-Space and time sensitivity encoding-accelerated myocardial perfusion MR imaging at 3.0 T: comparison with 1.5 T. Radiology. 2008. 249:493-500	Intervention
Plein, S.. Coronary sinus flow measurement-a useful addition to first pass myocardial perfusion cardiovascular magnetic resonance?. European heart journal cardiovascular Imaging. 2017. 18:860-861	Study Design
Pletscher, M., Walker, S., Moschetti, K., Pinget, C., Wasserfallen, J. B., Greenwood, J. P., Schwitter, J., Girardin, F. R.. Cost-effectiveness of functional cardiac imaging in the diagnostic work-up of coronary heart disease. Eur Heart J Qual Care Clin Outcomes. 2016. 2:201-207	Setting
Ponte, M., Bettencourt, N., Pereira, E., et al. Anatomical versus functional assessment of coronary artery disease: direct comparison of computed tomography coronary angiography and magnetic resonance myocardial perfusion imaging in patients with intermediate pre-test probability. The International Journal of Cardiovascular Imaging. 2014. 30:1589-97	Intervention
Pontecorbo, G., Lagi, F., Bagli, M., et al. Results of comprehensive cardiovascular diagnostic work-up in HIV positive patients. Infezioni in Medicina. 2020. 28:397-406	Study Design
Pontone, G., Andreini, D., Bartorelli, A. L., et al. Comparison between low-dose multidetector computed coronary angiography and myocardial perfusion imaging test in patients with intermediate pre-test likelihood of coronary artery disease. International Journal of Cardiology. 2011. 147:454-7	Study Design

Study Citation	Reason for Exclusion
Pontone, G., Andreini, D., Guaricci, A. I., et al. The STRATEGY Study (Stress Cardiac Magnetic Resonance Versus Computed Tomography Coronary Angiography for the Management of Symptomatic Revascularized Patients): Resources and Outcomes Impact. <i>Circulation. Cardiovascular imaging.</i> 2016. 9:#pages#	Population
Positano, V., Pingitore, A., Scattini, B., Santarelli, M. F., De Marchi, D., Favilli, B., Lombardi, M., Landini, L.. Myocardial perfusion by first pass contrast magnetic resonance: a robust method for quantitative regional assessment of perfusion reserve index. <i>Heart.</i> 2006. 92:689-90	Study Design
Poskaite, P., Pamminger, M., Kranewitter, C., et al. Self-navigated 3D whole-heart MRA for non-enhanced surveillance of thoracic aortic dilation: A comparison to CTA. <i>Magnetic Resonance Imaging.</i> 2021. 76:123-130	Population
Potter, D. D., Araoz, P. A., McGee, K. P., Harmsen, W. S., Mandrekar, J. N., Sundt, T. M., 3rd. Low-dose dobutamine cardiac magnetic resonance imaging with myocardial strain analysis predicts myocardial recoverability after coronary artery bypass grafting. <i>Journal of Thoracic &amp; Cardiovascular Surgery.</i> 2008. 135:1342-7	Aim
Powell, A. J., Chung, T., Landzberg, M. J., Geva, T.. Accuracy of MRI evaluation of pulmonary blood supply in patients with complex pulmonary stenosis or atresia. <i>Int J Card Imaging.</i> 2000. 16:169-74	Population
Prasad, S. K., Soukias, N., Hornung, T., Khan, M., Pennell, D. J., Gatzoulis, M. A., Mohiaddin, R. H.. Role of magnetic resonance angiography in the diagnosis of major aortopulmonary collateral arteries and partial anomalous pulmonary venous drainage. <i>Circulation.</i> 2004. 109:207-14	Population
Prescott, E., Abildstrom, S. Z., Aziz, A., et al. Improving diagnosis and treatment of women with angina pectoris and microvascular disease: the iPOWER study design and rationale. <i>American Heart Journal.</i> 2014. 167:452-8	Population
Qayyum, A. A., Hasbak, P., Larsson, H. B. W., Christensen, T. E., Ghotbi, A. A., Mathiasen, A. B., Vejlstrup, N. G., Kjaer, A., Kastrup, J.. Quantification of myocardial perfusion using cardiac magnetic resonance imaging correlates significantly to rubidium-82 positron emission tomography in patients with severe coronary artery disease: a preliminary study. <i>European Journal of Radiology.</i> 2014. 83:1120-1128	Outcomes
Rahimi, K., Banning, A. P., Cheng, A. S., Pegg, T. J., Karamitsos, T. D., Channon, K. M., Darby, S., Taggart, D. P., Neubauer, S., Selvanayagam, J. B.. Prognostic value of coronary revascularisation-related myocardial injury: a cardiac magnetic resonance imaging study. <i>Heart.</i> 2009. 95:1937-43	Aim
Raman, S. V., Donnelly, M. R., McCarthy, B.. Dobutamine stress cardiac magnetic resonance imaging to detect myocardial ischemia in women. <i>Preventive Cardiology.</i> 2008. 11:135-40	Intervention
Ramos, R., Albert, X., Sala, J., et al. Prevalence and incidence of Q-wave unrecognized myocardial infarction in general population: Diagnostic value of the electrocardiogram. The REGICOR study. <i>International Journal of Cardiology.</i> 2016. 225:300-305	Aim
Ramos, V., Bettencourt, N., Silva, J., Ferreira, N., Chiribiri, A., Schuster, A., Leite-Moreira, A., Silva-Cardoso, J., Nagel, E., Gama, V.. Noninvasive anatomical and functional assessment of coronary artery disease. <i>Revista Portuguesa de Cardiologia.</i> 2015. 34:223-32	Intervention
Rao, U. V., Vanajakshamma, V., Rajasekhar, D., Lakshmi, A. Y., Reddy, R. N.. Magnetic resonance angiography vs. angiography in tetralogy of Fallot. <i>Asian Cardiovascular &amp; Thoracic Annals.</i> 2013. 21:418-25	Setting

Study Citation	Reason for Exclusion
Rasmussen, L. D., Winther, S., Westra, J., Isaksen, C., Ejlersen, J. A., Brix, L., Kirk, J., Urbonaviciene, G., Sondergaard, H. M., Hammid, O., Schmidt, S. E., Knudsen, L. L., Madsen, L. H., Frost, L., Petersen, S. E., Gormsen, L. C., Christiansen, E. H., Eftekhari, A., Holm, N. R., Nyegaard, M., Chiribiri, A., Botker, H. E., Bottcher, M.. Danish study of Non-Invasive testing in Coronary Artery Disease 2 (Dan-NICAD 2): study design for a controlled study of diagnostic accuracy. <i>American heart journal.</i> 2019. 215:114-128	Study Design
Reinstadler, S. J., Baum, A., Rommel, K. P., Eitel, C., Desch, S., Mende, M., Metzler, B., Poess, J., Thiele, H., Eitel, I.. ST-segment depression resolution predicts infarct size and reperfusion injury in ST-elevation myocardial infarction. <i>Heart (British Cardiac Society).</i> 2015. 101:1819-1825	Population
Ren, Z. F., Fang, P. H., Ma, F. S., Chu, J. M., Ma, J., Zhang, S.. Radiofrequency catheter ablation of permanent atrial fibrillation under guidance of carto-merge technique. <i>Chinese Medical Sciences Journal.</i> 2007. 22:156-61	Population
Rerkpattanapipat, P., Gandhi, S. K., Darty, S. N., Williams, R. T., Davis, A. D., Mazur, W., Clark, H. P., Little, W. C., Link, K. M., Hamilton, C. A., Hundley, W. G.. Feasibility to detect severe coronary artery stenoses with upright treadmill exercise magnetic resonance imaging. <i>Am J Cardiol.</i> 2003. 92:603-6	Intervention
Rerkpattanapipat, P., Siripornpitak, S., Pornkul, R., Jongjirasiri, S., Laothamatas, J.. Cardiovascular examination with 3.0 Tesla magnetic resonance imaging: first 100 cases at Ramathibodi Hospital. <i>Journal of the Medical Association of Thailand.</i> 2006. 89:1388-95	Setting
Reynolds, H. R., Srichai, M. B., Iqbal, S. N., Slater, J. N., Mancini, G. B., Feit, F., Pena-Sing, I., Axel, L., Attubato, M. J., Yatskar, L., Kalhorn, R. T., Wood, D. A., Lobach, I. V., Hochman, J. S.. Mechanisms of myocardial infarction in women without angiographically obstructive coronary artery disease. <i>Circulation.</i> 2011. 124:1414-25	Aim
Rieber, J., Huber, A., Erhard, I., Mueller, S., Schweyer, M., Koenig, A., Schiele, T. M., Theisen, K., Siebert, U., Schoenberg, S. O., Reiser, M., Klauss, V.. Cardiac magnetic resonance perfusion imaging for the functional assessment of coronary artery disease: a comparison with coronary angiography and fractional flow reserve. <i>European Heart Journal.</i> 2006. 27:1465-71	Data level
Rieber, J., Jung, P., Erhard, I., Koenig, A., Hacker, M., Schiele, T. M., Segmiller, T., Stempfle, H., U., Theisen, K., Siebert, U., Klauss, V.. Comparison of pressure measurement, dobutamine contrast stress echocardiography and SPECT for the evaluation of intermediate coronary stenoses. The COMPRESS trial. <i>Int J Cardiovasc Intervent.</i> 2004. 6:142-7	Intervention
Rief, M., Chen, M. Y., Vavere, A. L., Kendziora, B., Miller, J. M., Bandettini, W. P., Cox, C., George, R. T., Lima, J., Di Carli, M., Plotkin, M., Zimmermann, E., Laule, M., Schlattmann, P., Arai, A. E., Dewey, M.. Coronary Artery Disease: Analysis of Diagnostic Performance of CT Perfusion and MR Perfusion Imaging in Comparison with Quantitative Coronary Angiography and SPECT-Multicenter Prospective Trial. <i>Radiology.</i> 2018. 286:461-470	Intervention
Rijlaarsdam-Hermsen, D., Lo-Kioeng-Shioe, M., van Domburg, R. T., Deckers, J. W., Kuijpers, D., van Dijkman, P. R. M.. Stress-Only Adenosine CMR Improves Diagnostic Yield in Stable Symptomatic Patients With Coronary Artery Calcium. <i>Jacc: Cardiovascular Imaging.</i> 2020. 13:1152-1160	Aim
Rijzewijk, L. J., van der Meer, R. W., Lamb, H. J., de Jong, H. W., Lubberink, M., Romijn, J. A., Bax, J. J., de Roos, A., Twisk, J. W., Heine, R. J., Lammertsma, A. A., Smit, J. W., Diamant, M.. Altered myocardial substrate metabolism and decreased diastolic function in nonischemic human diabetic cardiomyopathy: studies with cardiac positron emission tomography and magnetic resonance imaging. <i>Journal of the American College of Cardiology.</i> 2009. 54:1524-32	Population

Study Citation	Reason for Exclusion
Ripa, R. S., Nilsson, J. C., Wang, Y., Sondergaard, L., Jorgensen, E., Kastrup, J.. Short- and long-term changes in myocardial function, morphology, edema, and infarct mass after ST-segment elevation myocardial infarction evaluated by serial magnetic resonance imaging. American Heart Journal. 2007. 154:929-36	Population
Rivard, A. L., Swingen, C. M., Blake, D., Huang, A. S., Kanth, P., Thomsen, G. F., Cordova, E. J., Miller, L. W., Bianco, R. W., Wilke, N.. A comparison of myocardial perfusion and rejection in cardiac transplant patients. The International Journal of Cardiovascular Imaging. 2007. 23:575-82	Population
Rodriguez Palomares, J. F.. EuroCMR 2019 HIGHLIGHTS. European Heart Journal. #year#. 40:2557-2559	Study Design
Rodriguez-Palomares, J. F., Edvardsen, T., Almeida, A. G., Petersen, S. E.. EuroCMR 2019 highlights. European heart journal cardiovascular Imaging. #year#. 21:127-131	Study Design
Rodriguez-Reyna, T. S., Rosales-Uvera, S. G., Kimura-Hayama, E., Hernandez-Reyes, P., Mercado-Velazquez, P., Benavides-Suarez, S. A., Esquinca-Gonzalez, A., Nunez-Alvarez, C. A.. Myocardial fibrosis detected by magnetic resonance imaging, elevated U-CRP and higher mRSS are predictors of cardiovascular complications in systemic sclerosis (SSc) patients. Seminars in Arthritis & Rheumatism. 2019. 49:273-278	Population
Roifman, I., Wijeyesundera, H. C., Austin, P. C., MacLagan, L. C., Rezai, M. R., Wright, G. A., Tu, J. V.. Temporal Trends in the Utilization of Noninvasive Diagnostic Tests for Coronary Artery Disease in Ontario Between 2008 and 2014: A Population-Based Study. Canadian Journal of Cardiology. 2017. 33:279-282	Intervention
Romeih, S., Al-Sheshtawy, F., Salama, M., Blom, N. A., Abdel-Razek, A., Al-Marsafawy, H., Elhendy, A.. Comparison of contrast enhanced magnetic resonance angiography with invasive cardiac catheterization for evaluation of children with pulmonary atresia. Heart International. 2012. 7:e9	Setting
Ronan, G., Wolk, M. J., Bailey, S. R., et al. ACCF/AHA/ASE/ASNC/HFSA/HRS/SCAI/SCCT/SCMR/STS 2013 multimodality appropriate use criteria for the detection and risk assessment of stable ischemic heart disease: a report of the American College of Cardiology Foundation Appropriate Use Criteria Task Force, American Heart Association, American Society of Echocardiography, American Society of Nuclear Cardiology, Heart Failure Society of America, Heart Rhythm Society, Society for Cardiovascular Angiography and Interventions, Society of Cardiovascular Computed Tomography, Society for Cardiovascular Magnetic Resonance, and Society of Thoracic Surgeons. Journal of Nuclear Cardiology. 2014. 21:192-220	Intervention
Ronnow Sand, N. P., Nissen, L., Winther, S., Petersen, S. E., Westra, J., Christiansen, E. H., Larsen, P., Holm, N. R., Isaksen, C., Urbonaviciene, G., Deibjerg, L., Husain, M., Thomsen, K. K., Rohold, A., Botker, H. E., Bottcher, M.. Prediction of Coronary Revascularization in Stable Angina: Comparison of FFR<sub>CT</sub> With CMR Stress Perfusion Imaging. Jacc: Cardiovascular Imaging. 2020. 13:994-1004	Aim
Ropers, D., Regenfus, M., Stilianakis, N., Birke, S., Kessler, W., Moshage, W., Laub, G., Daniel, W. G., Achenbach, S.. A direct comparison of noninvasive coronary angiography by electron beam tomography and navigator-echo-based magnetic resonance imaging for the detection of restenosis following coronary angioplasty. Invest Radiol. 2002. 37:386-92	Population
Rosner, A., Schirmer, H., Iqbal, A., Bijnens, B., Avenarius, D., Malm, S.. Assessment of myocardial ischemia by strain dobutamine stress echocardiography and cardiac magnetic resonance perfusion imaging before and after coronary artery bypass grafting. Echocardiography. 2017. 34:557-566	Aim

Study Citation	Reason for Exclusion
Rossi, A., Bertagnolli, G., Cicoira, M., Golia, G., Zanolla, L., Santini, F., Cemin, C., Ferrario, G., Zardini, P.. Association of aortic valve sclerosis and coronary artery disease in patients with severe nonischemic mitral regurgitation. Clinical Cardiology. 2003. 26:579-82	Population
Ruan, C., Yang, S. H., Cusi, K., Gao, F., Clarke, G. D.. Contrast-enhanced first-pass myocardial perfusion magnetic resonance imaging with parallel acquisition at 3.0 Tesla. Investigative Radiology. 2007. 42:352-60	Aim
Rumbinaite, E., Karuzas, A., Verikas, D., Kazakauskaite, E., Venckus, V., Jakuska, P., Benetis, R., Vaskelyte, J. J.. Detection of Functionally Significant Coronary Artery Disease: Role of Regional Post Systolic Shortening. Journal of Cardiovascular Echography. 2020. 30:131-139	Intervention
Rustamova, Y. A., Azizov, V., Maximkin, D., Faibushevich, A.. MRI vs. stress-echocardiography with dobutamine: in search of a better method of diagnosis myocardial viability. European heart journal cardiovascular imaging. 2017. 18:#pages#	Study Design
Rustamova, Y., Azizov, V., Daniil Maximkin, D. A., Faibushevich, A.. Diagnosis of myocardial viability in patients with chronic heart failure: search for the best methods. European journal of heart failure. 2017. 19:#pages#	Study Design
Said, S. A., Hofman, M. B., Beek, A. M., van der Werf, T., van Rossum, A. C.. Feasibility of cardiovascular magnetic resonance of angiographically diagnosed congenital solitary coronary artery fistulas in adults. Journal of Cardiovascular Magnetic Resonance. 2007. 9:575-83	Population
Sait Dogan, M., Yilmaz, E., Dogan, S., Akdeniz, B., Baris, N., Teomete, U., Iyilikci, L.. Evaluation of myocardial ischemia in coronary artery disease with cardiac MR perfusion method: comparison with the results of catheter or CT angiography. Medicinski Glasnik Ljekarske Komore Zenickodobojskog Kantona. 2013. 10:63-9	Data level
Sakuma, H., Suzawa, N., Ichikawa, Y., Makino, K., Hirano, T., Kitagawa, K., Takeda, K.. Diagnostic accuracy of stress first-pass contrast-enhanced myocardial perfusion MRI compared with stress myocardial perfusion scintigraphy. AJR. American Journal of Roentgenology. 2005. 185:95-102	Intervention
Salerno, M., Taylor, A., Yang, Y., Kuruvilla, S., Ragosta, M., Meyer, C. H., Kramer, C. M.. Adenosine stress cardiovascular magnetic resonance with variable-density spiral pulse sequences accurately detects coronary artery disease: initial clinical evaluation. Circulation. Cardiovascular imaging. 2014. 7:639-46	Intervention
Salm, L. P., Bax, J. J., Vliegen, et al. Functional significance of stenoses in coronary artery bypass grafts. Evaluation by single-photon emission computed tomography perfusion imaging, cardiovascular magnetic resonance, and angiography. Journal of the American College of Cardiology. 2004. 44:1877-82	Data level
Salm, L. P., Langerak, S. E., Vliegen, H. W., Jukema, J. W., Bax, J. J., Zwinderman, A. H., van der Wall, E. E., de Roos, A., Lamb, H. J.. Blood flow in coronary artery bypass vein grafts: volume versus velocity at cardiovascular MR imaging. Radiology. 2004. 232:915-20	Data level
Sammut, E. C., Villa, A. D. M., Di Giovine, G., et al. Prognostic Value of Quantitative Stress Perfusion Cardiac Magnetic Resonance. Jacc: Cardiovascular Imaging. 2018. 11:686-694	Aim
Sandstede, J. J., Lipke, C., Beer, M., et al. Analysis of first-pass and delayed contrast-enhancement patterns of dysfunctional myocardium on MR imaging: use in the prediction of myocardial viability. AJR. American Journal of Roentgenology. 2000. 174:1737-40	Population
Sanidas, E. A., Brener, S. J., Maehara, A., et al. Outcomes in diabetic patients undergoing primary percutaneous coronary intervention for acute anterior myocardial infarction: results from the INFUSE-AMI study. Catheterization & Cardiovascular Interventions. 2014. 83:704-10	Aim

Study Citation	Reason for Exclusion
Schaffer, J. T., Hess, E. P., Hollander, J. E., et al. Impact of a Shared Decision Making Intervention on Health Care Utilization: a Secondary Analysis of the Chest Pain Choice Multicenter Randomized Trial. Academic emergency medicine. 2018. 25:293-300	Intervention
Schalla, S., Jaarsma, C., Bekkers, S. C., Waltenberger, J., Dennert, R., Crijns, H. J., Wildberger, J., Heymans, S., Brunner-La Rocca, H. P.. Right ventricular function in dilated cardiomyopathy and ischemic heart disease: assessment with non-invasive imaging. Netherlands Heart Journal. 2015. 23:232-40	Population
Schalla, Simon, Klein, Christoph, Paetsch, Ingo, Lehmkuhl, Hans, Bornstedt, Axel, Schnackenburg, Bernhard, Fleck, Eckart, Nagel, Eike. Real-Time MR Image Acquisition during High-Dose Dobutamine Hydrochloride Stress for Detecting Left Ventricular Wall-Motion Abnormalities in Patients with Coronary Arterial Disease. Radiology. 2002. 224:845-851	Population
Scheffel, H., Stolzmann, P., Alkadhi, H., Azemaj, N., Plass, A., Baumueller, S., Desbiolles, L., Leschka, S., Kozerke, S., Falk, V., Boesiger, P., Wyss, C., Marincek, B., Donati, O. F.. Low-dose CT and cardiac MR for the diagnosis of coronary artery disease: accuracy of single and combined approaches. The International Journal of Cardiovascular Imaging. 2010. 26:579-90	Other (please note rationale)
Schuh, A., Karayusuf, V., Altio, E., Hamada, S., Schroder, J., Keszei, A., Kelm, M., de la Fuente, M., Frick, M., Radermacher, K., Marx, N., Becker, M.. Intra-procedural determination of viability by myocardial deformation imaging: a randomized prospective study in the cardiac catheter laboratory. Clinical research in cardiology. 2017. 106:629-644	Population
Schwitzer, J., Nanz, D., Kneifel, S., Bertschinger, K., Buchi, M., Knusel, P. R., Marincek, B., Luscher, T. F., von Schulthess, G. K.. Assessment of myocardial perfusion in coronary artery disease by magnetic resonance: a comparison with positron emission tomography and coronary angiography. Circulation. 2001. 103:2230-2235	Intervention
Schwitzer, J., Wacker, C. M., van Rossum, A. C., Lombardi, M., Al-Saadi, N., Ahlstrom, H., Dill, T., Larsson, H. B., Flamm, S. D., Marquardt, M., Johansson, L.. MR-IMPACT: comparison of perfusion-cardiac magnetic resonance with single-photon emission computed tomography for the detection of coronary artery disease in a multicentre, multivendor, randomized trial. European Heart Journal. 2008. 29:480-9	Intervention
Schwitzer, J., Wacker, C. M., Wilke, N., Al-Saadi, N., Sauer, E., Huettle, K., Schonberg, S. O., Luchner, A., Strohm, O., Ahlstrom, H., Dill, T., Hoebel, N., Simor, T., Investigators, Mr-Impact. MR-IMPACT II: Magnetic Resonance Imaging for Myocardial Perfusion Assessment in Coronary artery disease Trial: perfusion-cardiac magnetic resonance vs. single-photon emission computed tomography for the detection of coronary artery disease: a comparative multicentre, multivendor trial. European Heart Journal. 2013. 34:775-81	Intervention
Schwitzer, J., Wacker, C. M., Wilke, N., Al-Saadi, N., Sauer, E., Huettle, K., Schonberg, S. O., Debl, K., Strohm, O., Ahlstrom, H., Dill, T., Hoebel, N., Simor, T., investigators, Mr-Impact. Superior diagnostic performance of perfusion-cardiovascular magnetic resonance versus SPECT to detect coronary artery disease: The secondary endpoints of the multicenter multivendor MR-IMPACT II (Magnetic Resonance Imaging for Myocardial Perfusion Assessment in Coronary Artery Disease Trial). Journal of Cardiovascular Magnetic Resonance. 2012. 14:61	Other (please note rationale)
Scinario, A., Ntsinjana, H., Tann, O., Schuler, P. K., Muthurangu, V., Hughes, M., Tsang, V., Taylor, A. M.. Cardiovascular magnetic resonance findings in repaired anomalous left coronary artery to pulmonary artery connection (ALCAPA). Journal of Cardiovascular Magnetic Resonance. 2011. 13:27	Population

Study Citation	Reason for Exclusion
Sejr-Hansen, M., Westra, J., Winther, S., Tu, S., Nissen, L., Gormsen, L., Petersen, S. E., Ejlersen, J., Isaksen, C., Botker, H. E., Bottcher, M., Christiansen, E. H., Holm, N. R.. Comparison of quantitative flow ratio and fractional flow reserve with myocardial perfusion scintigraphy and cardiovascular magnetic resonance as reference standard. A Dan-NICAD substudy. <i>The International Journal of Cardiovascular Imaging.</i> 2020. 36:395-402	Other (please note rationale)
Selvanayagam, J. B., Cheng, A. S., Jerosch-Herold, M., Rahimi, K., Porto, I., van Gaal, W., Channon, K. M., Neubauer, S., Banning, A. P.. Effect of distal embolization on myocardial perfusion reserve after percutaneous coronary intervention: a quantitative magnetic resonance perfusion study. <i>Circulation.</i> 2007. 116:1458-64	Population
Selvanayagam, J. B., Searle, N., Neubauer, S., Taggart, D. P.. Correlation of coronary artery bypass surgery-related myonecrosis with grafted vessel calibre: insights from cardiovascular magnetic resonance imaging. <i>Heart (British Cardiac Society).</i> 2006. 92:1329-1330	Study Design
Seng, K., Breuckmann, F., Schlosser, T., Barkhausen, J., Geckels, K., Budde, T., Hoefs, C., Schmermund, A., Erbel, R., Ladd, S. C.. Concomitant atherosclerotic disease detected by whole-body MR angiography in relation to coronary artery calcification in patients with coronary artery disease. <i>Rofo: Fortschritte auf dem Gebiete der Rontgenstrahlen und der Nuklearmedizin.</i> 2010. 182:334-40	Intervention
Sensky, P. R., Samani, N. J., Reek, C., Cherryman, G. R.. Magnetic resonance perfusion imaging in patients with coronary artery disease: a qualitative approach. <i>The International Journal of Cardiovascular Imaging.</i> 2002. 18:373-83; discussion 385-6	Data level
Serafini, G., Ongaro, L., Mori, A., Rossi, C., Cavalloro, F., Tagliaferri, C., Mencherini, S., Braschi, A.. Anesthesia for MRI in the paediatric patient. <i>Minerva Anestesiologica.</i> 2005. 71:361-6	Study Design
Seraphim, A., Knott, K. D., Augusto, J., Bhuva, A. N., Manisty, C., Moon, J. C.. Quantitative cardiac MRI. <i>Journal of Magnetic Resonance Imaging.</i> 2020. 51:693-711	Study Design
Shabbir, A., Fan, L., Fraser, G., Cassar, M. P., Swinburn, J.. Quantification of Ischemia As a Prognostic Mandate for Coronary Revascularization in Asymptomatic Patients: How Much Is Enough?. <i>Critical Pathways in Cardiology: A Journal of Evidence-Based Medicine.</i> 2019. 18:98-101	Population
Shariat, M., Thavendiranathan, P., Nguyen, E., Wintersperger, B., Paul, N., Rakowski, H., Crean, A. M.. Utility of coronary CT angiography in outpatients with hypertrophic cardiomyopathy presenting with angina symptoms. <i>Journal of cardiovascular computed tomography.</i> 2014. 8:429-37	Population
Sharples, L., Hughes, V., Crean, A., Dyer, M., Buxton, M., Goldsmith, K., Stone, D.. Cost-effectiveness of functional cardiac testing in the diagnosis and management of coronary artery disease: a randomised controlled trial. <i>The CECA-T trial. Health technology assessment (Winchester, England).</i> #year#. 11:iii-iv	Intervention
Shen, D., Edelman, R. R., Robinson, J. D., Haji-Valizadeh, H., Messina, M., Giri, S., Koktzoglou, I., Rigsby, C. K., Kim, D.. Single-Shot Coronary Quiescent-Interval Slice-Selective Magnetic Resonance Angiography Using Compressed Sensing: A Feasibility Study in Patients With Congenital Heart Disease. <i>Journal of Computer Assisted Tomography.</i> 2018. 42:739-746	Comparator
Shomanova, Z., Florian, A., Bietenbeck, M., Waltenberger, J., Sechtem, U., Yilmaz, A.. Diagnostic value of global myocardial perfusion reserve assessment based on coronary sinus flow measurements using cardiovascular magnetic resonance in addition to myocardial stress perfusion imaging. <i>European heart journal cardiovascular Imaging.</i> 2017. 18:851-859	Intervention

Study Citation	Reason for Exclusion
Shufelt, C. L., Thomson, L. E., Goykhman, P., Agarwal, M., Mehta, P. K., Sedlak, T., Li, N., Gill, E., Samuels, B., Azabal, B., Kar, S., Kothawade, K., Minissian, M., Slomka, P., Berman, D. S., Bairey Merz, C. N.. Cardiac magnetic resonance imaging myocardial perfusion reserve index assessment in women with microvascular coronary dysfunction and reference controls. <i>Cardiovascular Diagnosis &amp; Therapy.</i> 2013. 3:153-60	Population
Silva Vieira, M., Henningsson, M., Dedieu, N., Vassiliou, V. S., Bell, A., Mathur, S., Pushparajah, K., Figueroa, C. A., Hussain, T., Botnar, R., Greil, G. F.. Improved coronary magnetic resonance angiography using gadobenate dimeglumine in pediatric congenital heart disease. <i>Magnetic Resonance Imaging.</i> 2018. 49:47-54	Outcomes
Singh, A., Ford, I., Greenwood, J. P., Khan, J. N., Uddin, A., Berry, C., Neubauer, S., Prendergast, B., Jerosch-Herold, M., Williams, B., Samani, N. J., McCann, G. P.. Rationale and design of the PRognostic Importance of Microvascular Dysfunction in asymptomatic patients with Aortic Stenosis (PRIMID-AS): a multicentre observational study with blinded investigations. <i>BMJ Open.</i> 2013. 3:e004348	Population
Singh, A., Greenwood, J. P., Berry, C., Dawson, D. K., Hogrefe, K., Kelly, D. J., Dhakshinamurthy, V., Lang, C. C., Khoo, J. P., Sprigings, D., Steeds, R. P., Jerosch-Herold, M., Neubauer, S., Prendergast, B., Williams, B., Zhang, R., Hudson, I., Squire, I. B., Ford, I., Samani, N. J., McCann, G. P.. 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. <i>European Heart Journal.</i> 2017. 38:1222-1229	Comparator
Sontis, G., Mavridis, D., Sontis, K., Coles, B., Juni, P., Salanti, G., Windecker, S.. Non-invasive functional and anatomical diagnostic testing for patients with low-risk acute coronary syndromes: a network meta-analysis of diagnostic randomized controlled trials. <i>Journal of the american college of cardiology.</i> 2017. 69:291-	Study Design
Skold, C. M., Larsen, F. F., Rasmussen, E., Pehrsson, S. K., Eklund, A. G.. Determination of cardiac involvement in sarcoidosis by magnetic resonance imaging and Doppler echocardiography. <i>Journal of Internal Medicine.</i> 2002. 252:465-71	Population
Smulders, M. W., Jaarsma, C., Nelemans, P. J., Bekkers, Scam, Bucerius, J., Leiner, T., Crijns, Hjgm, Wildberger, J. E., Schalla, S.. Comparison of the prognostic value of negative non-invasive cardiac investigations in patients with suspected or known coronary artery disease-a meta-analysis. <i>European heart journal cardiovascular Imaging.</i> 2017. 18:980-987	Aim
Smulders, M. W., Ketselaer, B. L., Das, M., Wildberger, J. E., Crijns, H. J., Veenstra, L. F., Brunner-La Rocca, H. P., van Dieijen-Visser, M. P., Mingels, A. M., Dagnelie, P. C., Post, M. J., Gorgels, A. P., van Asselt, A. D., Vogel, G., Schalla, S., Kim, R. J., Bekkers, S. C.. The role of cardiovascular magnetic resonance imaging and computed tomography angiography in suspected non-ST-elevation myocardial infarction patients: design and rationale of the CARdiovascular Magnetic rEsoNance imaging and computed Tomography Angiography (CARMENTA) trial. <i>American heart journal.</i> 2013. 166:968-975	Population
Smulders, M. W., Ketselaer, Bljh, Wildberger, J. E., Dagnelie, P. C., Brunner-La Rocca, H. P., Mingels, A. M. A., van Cauteren, Y. J. M., Theunissen, Ralj, Post, M. J., Schalla, S., van Kuijk, S. M. J., Das, M., Kim, R. J., Crijns, Hjgm, Bekkers, Scam. Initial Imaging-Guided Strategy Versus Routine Care in Patients With Non-ST-Segment Elevation Myocardial Infarction. <i>J Am Coll Cardiol.</i> 2019. 74:2466-2477	Population
Smulders, M., Ketselaer, B., Wildberger, J., et al. Cardiovascular magnetic resonance or computed tomography angiography first versus a routine invasive strategy in high-sensitive troponin-positive suspected non-st-elevation myocardial infarction: randomized controlled trial. <i>Journal of the american college of cardiology.</i> 2018. 71:#pages#	Study Design

Study Citation	Reason for Exclusion
So, N. M., Lam, W. W., Li, D., Chan, A. K., Sanderson, J. E., Metreweli, C.. Magnetic resonance angiography of coronary arteries with a 3-dimensional magnetization-prepared true fast imaging with steady-state precession sequence compared with conventional coronary angiography. American Heart Journal. 2005. 150:530-5	Data level
So, N. M., Lam, W. W., Li, D., Chan, A. K., Sanderson, J. E., Metreweli, C.. Magnetic resonance coronary angiography with 3D TrueFISP: breath-hold versus respiratory gated imaging. British Journal of Radiology. 2005. 78:116-21	Data level
Sommer, T., Hackenbroch, M., Hofer, U., Schmiedel, A., Willinek, W. A., Flacke, S., Gieseke, J., Traber, F., Fimmers, R., Litt, H., Schild, H.. Coronary MR angiography at 3.0 T versus that at 1.5 T: initial results in patients suspected of having coronary artery disease. Radiology. 2005. 234:718-25	Data level
Sommer, T., Hofer, U., Hackenbroch, M., Meyer, C., Flacke, S., Schmiedel, A., Schmitz, C., Thiemann, K., Omran, H., Schild, H.. [Submillimeter 3D coronary MR angiography with real-time navigator correction in 107 patients with suspected coronary artery disease]. RoFo : Fortschritte auf dem Gebiete der Rontgenstrahlen und der Nuklearmedizin. 2002. 174:459-466	Non-English
Song, I., Yi, J. G., Park, J. H., Kim, M. Y., Shin, J. K., Ko, S. M.. Diagnostic performance of static single-scan stress perfusion cardiac computed tomography in detecting hemodynamically significant coronary artery stenosis: a comparison with combined invasive coronary angiography and cardiovascular magnetic resonance-myocardial perfusion imaging. Acta Radiologica. 2018. 59:1184-1193	Population
Song, K. D., Kim, S. M., Choe, Y. H., Jung, W., Lee, S. C., Chang, S. A., Choi, Y. H., Sung, J.. Integrated cardiac magnetic resonance imaging with coronary magnetic resonance angiography, stress-perfusion, and delayed-enhancement imaging for the detection of occult coronary artery disease in asymptomatic individuals. The International Journal of Cardiovascular Imaging. 2015. 31 Suppl 1:77-89	Population
Sonmez, B., Arbatli, H., Tansal, S., Yagan, N., Unal, M., Demirsoy, E., Tukenmez, F., Yilmaz, O.. Real-time patency control with thermal coronary angiography in 1401 coronary artery bypass grafting patients. European Journal of Cardio-Thoracic Surgery. 2003. 24:961-6	Population
Sorgaard, M. H., Kofoed, K. F., Linde, J. J., George, R. T., Rochitte, C. E., Feuchtner, G., Lima, J. A., Abdulla, J.. Diagnostic accuracy of static CT perfusion for the detection of myocardial ischemia. A systematic review and meta-analysis. Journal of cardiovascular computed tomography. 2016. 10:450-457	Intervention
Sozzi, F. B., Iacuzio, L., Civaia, F., Canetta, C., Berthier, F., Rusek, S., Rossi, P., Lombardi, F., Dreyfus, G., Dor, V.. Incremental value of normal adenosine perfusion cardiac magnetic resonance: Long-term outcome. American Heart Journal. 2015. 169:841-6	Aim
Stauder, N. I., Klumpp, B., Stauder, H., Blumenstock, G., Fenchel, M., Kuttner, A., Claussen, C. D., Miller, S.. Assessment of coronary artery bypass grafts by magnetic resonance imaging. British Journal of Radiology. 2007. 80:975-83	Data level
Steel, K., Broderick, R., Gandla, V., Larose, E., Resnic, F., Jerosch-Herold, M., Brown, K. A., Kwong, R. Y.. Complementary prognostic values of stress myocardial perfusion and late gadolinium enhancement imaging by cardiac magnetic resonance in patients with known or suspected coronary artery disease. Circulation. 2009. 120:1390-400	Aim
Stillman, A. E., Oudkerk, M., Bluemke, D. A., et al. Imaging the myocardial ischemic cascade. Int J Cardiovasc Imaging. 2018. 34:1249-1263	Study Design
Stolzmann, P., Alkadhi, H., Scheffel, H., et al. Image fusion of coronary CT angiography and cardiac perfusion MRI: a pilot study. European Radiology. 2010. 20:1174-9	Other (please note rationale)

Study Citation	Reason for Exclusion
Stolzmann, P., Alkadhi, H., Scheffel, H., et al. Combining cardiac magnetic resonance and computed tomography coronary calcium scoring: added value for the assessment of morphological coronary disease?. <i>Int J Cardiovasc Imaging.</i> 2011. 27:969-77	Intervention
Stolzmann, Paul,Donati, Olivio F.,Scheffel, Hans,Azemaj, Naim,Baumueller, Stephan,Plass, André,Kozerke, Sebastian,Leschka, Sebastian,Grünenfelder, Jürg,Boesiger, Peter,Marincek, Borut,Alkadhi, Hatem. Low-dose CT coronary angiography for the prediction of myocardial ischaemia. <i>European Radiology.</i> 2010. 20:56-64	Intervention
Stranzinger, E., Ensing, G. J., Hernandez, R. J.. MR findings of endocardial fibroelastosis in children. <i>Pediatric Radiology.</i> 2008. 38:292-6	Population
Strigl, Sebastian, Beroukhim, Rebecca, Valente, Anne Marie, Annese, David, Harrington, James S., Geva, Tal, Powell, Andrew J.. Feasibility of dobutamine stress cardiovascular magnetic resonance imaging in children. <i>Journal of Magnetic Resonance Imaging.</i> 2009. 29:313-319	Intervention
Stuijfzand, W. J., van Rosendael, A. R., Lin, F. Y., et al. Stress Myocardial Perfusion Imaging vs Coronary Computed Tomographic Angiography for Diagnosis of Invasive Vessel-Specific Coronary Physiology: Predictive Modeling Results From the Computed Tomographic Evaluation of Atherosclerotic Determinants of Myocardial Ischemia (CREDENCE) Trial. <i>JAMA Cardiology.</i> 2020. 5:1338-1348	Intervention
Su, J. T., Chung, T., Muthupillai, R., Pignatelli, R. H., Kung, G. C., Diaz, L. K., Vick, G. W., 3rd, Kovalchin, J. P.. Usefulness of real-time navigator magnetic resonance imaging for evaluating coronary artery origins in pediatric patients. <i>American Journal of Cardiology.</i> 2005. 95:679-82	Population
Su, M. Y., Yang, K. C., Wu, C. C., Wu, Y. W., Yu, H. Y., Tseng, R. Y., Tseng, W. Y.. First-pass myocardial perfusion cardiovascular magnetic resonance at 3 Tesla. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2007. 9:633-44	Setting
Sun, B., Chen, Z., Duan, Q., Xue, Y., Chen, L., Zhang, Z., An, J.. A direct comparison of 3 T contrast-enhanced whole-heart coronary cardiovascular magnetic resonance angiography to dual-source computed tomography angiography for detection of coronary artery stenosis: a single-center experience. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2020. 22:40	Setting
Ta, A. D., Hsu, L. Y., Conn, H. M., Winkler, S., Greve, A. M., Shanbhag, S. M., Chen, M. Y., Patricia Bandettini, W., Arai, A. E.. Fully quantitative pixel-wise analysis of cardiovascular magnetic resonance perfusion improves discrimination of dark rim artifact from perfusion defects associated with epicardial coronary stenosis. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2018. 20:16	Aim
Takase, B., Nagata, M., Kihara, T., Kameyawa, A., Noya, K., Matsui, T., Ohsuzu, F., Ishihara, M., Kurita, A.. Whole-heart dipyridamole stress first-pass myocardial perfusion MRI for the detection of coronary artery disease. <i>Japanese Heart Journal.</i> 2004. 45:475-86	Intervention
Tamarappoo, B. K., Dey, D., Nakazato, R., Shmilovich, H., Smith, T., Cheng, V. Y., Thomson, L. E., Hayes, S. W., Friedman, J. D., Germano, G., Slomka, P. J., Berman, D. S.. Comparison of the extent and severity of myocardial perfusion defects measured by CT coronary angiography and SPECT myocardial perfusion imaging. <i>Jacc: Cardiovascular Imaging.</i> 2010. 3:1010-9	Intervention
Tanami, Y., Miller, J. M., Vavere, A. L., Rochitte, C. E., Dewey, M., Niinuma, H., Clouse, M. E., Cox, C., Brinker, J., Lima, J. A., Arbab-Zadeh, A.. Nuclear stress perfusion imaging versus computed tomography coronary angiography for identifying patients with obstructive coronary artery disease as defined by conventional angiography: insights from the CorE-64 multicenter study. <i>Heart International.</i> 2014. 9:1-6	Intervention

Study Citation	Reason for Exclusion
Taylor, Andrew M., Dymarkowski, Steven, De Meerleer, Kristof, Hamaekers, Pascal, Gewillig, Marc, Mertens, Luc, Bogaert, Jan. Validation and Application of Single Breath-Hold Cine Cardiac MR for Ventricular Function Assessment in Children with Congenital Heart Disease at Rest and During Adenosine Stress. <i>Journal of Cardiovascular Magnetic Resonance</i> . 2005. 7:743-751	Comparator
Tektonidou, M. G., Sfikakis, P. P., Kolovou, G., Mavrogeni, S.. Stress perfusion Cardiac Magnetic Resonance in Patients with Antiphospholipid Syndrome. <i>Mediterranean Journal of Rheumatology</i> . 2018. 29:99-102	Population
Ten Kate, G. J., Weustink, A. C., de Feyter, P. J.. Coronary artery anomalies detected by MSCT-coronary angiography in the adult. <i>Netherlands Heart Journal</i> . 2008. 16:369-75	Intervention
Terashima, M., Meyer, C. H., Keeffe, B. G., Putz, E. J., de la Pena-Almaguer, E., Yang, P. C., Hu, B. S., Nishimura, D. G., McConnell, M. V.. Noninvasive assessment of coronary vasodilation using magnetic resonance angiography. <i>Journal of the American College of Cardiology</i> . 2005. 45:104-10	Outcomes
Teunissen, P. F., de Waard, G. A., Hollander, M. R., et al. Doppler-derived intracoronary physiology indices predict the occurrence of microvascular injury and microvascular perfusion deficits after angiographically successful primary percutaneous coronary intervention. <i>Circulation: Cardiovascular Interventions</i> . 2015. 8:e001786	Aim
Tezuka, D., Kosuge, H., Terashima, M., Koyama, N., Kishida, T., Tada, Y., Suzuki, J. I., Sasano, T., Ashikaga, T., Hirao, K., Isobe, M.. Myocardial perfusion reserve quantified by cardiac magnetic resonance imaging is associated with late gadolinium enhancement in hypertrophic cardiomyopathy. <i>Heart &amp; Vessels</i> . 2018. 33:513-520	Population
Thiele, H., Erbs, S., Lenk, K., Adams, V., Linke, A., Gielen, S., et al.. Serial MRI for the assessment of myocardial perfusion, left ventricular function, and infarct size after application of blood-derived progenitor cells in recanalised chronic coronary occlusions. <i>European heart journal</i> . 3702. 26:3-7	Study Design
Thiele, H., Plein, S., Breeuwer, M., Ridgway, J. P., Higgins, D., Thorley, P. J., Schuler, G., Sivananthan, M. U.. Color-encoded semiautomatic analysis of multi-slice first-pass magnetic resonance perfusion: comparison to tetrofosmin single photon emission computed tomography perfusion and X-ray angiography. <i>The International Journal of Cardiovascular Imaging</i> . 2004. 20:371-84; discussion 385-7	Data level
Thom, Howard, West, Nicholas E. J., Hughes, Vikki, Dyer, Matthew, Buxton, Martin, Sharples, Linda D., Jackson, Christopher H., Crean, Andrew M., group, C. ECaT study. Cost-effectiveness of initial stress cardiovascular MR, stress SPECT or stress echocardiography as a gate-keeper test, compared with upfront invasive coronary angiography in the investigation and management of patients with stable chest pain: mid-term outcomes from the ECaT randomised controlled trial. <i>BMJ open</i> . 2014. 4:e003419-e003419	Setting
Thomas, B., Tavares, N. J.. Do the results of the German pilot phase of the EuroCMR Registry indicate that the chasm has been crossed?. <i>Journal of the American College of Cardiology</i> . #year#. 55:412; author reply 412-3	Study Design
Thomas, D., Strach, K., Meyer, C., Naehle, C. P., Schaare, S., Wasmann, S., Schild, H. H., Sommer, T.. Combined myocardial stress perfusion imaging and myocardial stress tagging for detection of coronary artery disease at 3 Tesla. <i>Journal of Cardiovascular Magnetic Resonance</i> . 2008. 10:59	Intervention
Thompson, A. C., Crilley, J. G., Wilson, D. W., Hungin, A. P., Fuat, A., Murphy, J. J.. Reliable exclusion of prognostically significant coronary disease in left ventricular dysfunction by cardiac MRI. <i>Clinical Radiology</i> . 2017. 72:159-164	Population

Study Citation	Reason for Exclusion
Thomson, L. E., Wei, J., Agarwal, M., Haft-Baradaran, A., Shufelt, C., Mehta, P. K., Gill, E. B., Johnson, B. D., Kenkre, T., Handberg, E. M., Li, D., Sharif, B., Berman, D. S., Petersen, J. W., Pepine, C. J., Bairey Merz, C. N.. Cardiac magnetic resonance myocardial perfusion reserve index is reduced in women with coronary microvascular dysfunction. A National Heart, Lung, and Blood Institute-sponsored study from the Women's Ischemia Syndrome Evaluation. <i>Circulation. Cardiovascular imaging.</i> 2015; 8:#pages#	Population
Tian, J., Zhang, L., Yang, X., Zuo, H., Zhao, X., Yong, J., He, Y., Song, X.. The effect of Shexiang Tongxin Dropping Pills on coronary microvascular dysfunction (CMVD) among those with a mental disorder and non-obstructive coronary artery disease based on stress cardiac magnetic resonance images: A study protocol. <i>Medicine.</i> 2020; 99:e20099	Intervention
Timmer, S. A., Germans, T., Gotte, M. J., Russel, I. K., Lubberink, M., Ten Berg, J. M., Ten Cate, F. J., Lammertsma, A. A., Knaapen, P., van Rossum, A. C.. Relation of coronary microvascular dysfunction in hypertrophic cardiomyopathy to contractile dysfunction independent from myocardial injury. <i>American Journal of Cardiology.</i> 2011; 107:1522-8	Population
Toyama, T., Sato, C., Koyama, K., Kasama, S., Murakami, J., Yamashita, E., Kawaguchi, R., Adachi, H., Hoshizaki, H., Oshima, S.. Olmesartan improves coronary flow reserve of hypertensive patients using coronary magnetic resonance imaging compared with amlodipine. <i>Cardiology.</i> 2012; 122:230-6	Aim
Toyoshima, T., Nomura, M., Nishikado, A., Harada, M., Nakaya, Y., Ito, S.. Magnetic resonance coronary angiography in patients with ischemic heart disease: analysis of coronary arterial blood flow velocity pattern. <i>Japanese Heart Journal.</i> 2000; 41:153-64	Aim
Trieb, T., Mayr, A., Klug, G., Runge, A., Pedarnig, K., Pachinger, O., Jaschke, W., Metzler, B., Schocke, M.. Patterns of myocardial perfusion in the acute and chronic stage after myocardial infarction: a cardiac magnetic resonance study. <i>European Journal of Radiology.</i> 2012; 81:767-72	Aim
Tsujimoto, T., Sugiyama, T., Yamamoto-Honda, R., Kishimoto, M., Noto, H., Morooka, M., Kubota, K., Kamimura, M., Hara, H., Kajio, H., Kakei, M., Noda, M.. Beneficial effects through aggressive coronary screening for type 2 diabetes patients with advanced vascular complications. <i>Medicine.</i> 2016; 95:e4307	Aim
Tsuneta, S., Oyama-Manabe, N., Kameda, H., Harada, T., Kato, F., Smit, E. J., Prokop, M., Kudo, K.. Improvement of image quality on low-dose dynamic myocardial perfusion computed tomography with a novel 4-dimensional similarity filter. <i>Medicine.</i> 2020; 99:e20804	Study Design
Tyan, C. C., Armstrong, S., Scholl, D., Stirrat, J., Blackwood, K., El-Sherif, O., Thompson, T., Wisenberg, G., Prato, F. S., So, A., Lee, T. Y., Drangova, M., White, J. A.. Stress hypoperfusion and tissue injury in hypertrophic cardiomyopathy: spatial characterization using high-resolution 3-tesla magnetic resonance imaging. <i>Circulation. Cardiovascular imaging.</i> 2013; 6:229-38	Population
Uretsky, S., Rozanski, A., Supariwala, A., Khokhar, S., Atluri, P., Memon, S., Dangas, G., Fisher, E. A., Wolff, S. D., Robert Peters, M.. Physiological correlates of densely calcified coronary lesions on coronary computed tomography angiography among patients with low-to-intermediate coronary artery disease likelihood. <i>Coronary Artery Disease.</i> 2011; 22:463-7	Data level
Uribe, S., Hussain, T., Valverde, I., Tejos, C., Irarrazaval, P., Fava, M., Beerbaum, P., Botnar, R. M., Razavi, R., Schaeffter, T., Greil, G. F.. Congenital heart disease in children: coronary MR angiography during systole and diastole with dual cardiac phase whole-heart imaging. <i>Radiology.</i> 2011; 260:232-40	Aim

Study Citation	Reason for Exclusion
Valsangiacomo, E. R., Levasseur, S., McCrindle, B. W., MacDonald, C., Smallhorn, J. F., Yoo, S. J.. Contrast-enhanced MR angiography of pulmonary venous abnormalities in children. Pediatric Radiology. 2003. 33:92-8	Comparator
Valstar, G. B., Bots, S. H., Groepenhoff, F., Gohar, A., Rutten, F. H., Leiner, T., Cramer, M. J. M., Teske, A. J., Suciadi, L. P., Menken, R., Pasterkamp, G., Asselbergs, F. W., Hofstra, L., Bots, M. L., den Ruijter, H. M.. Discovery of biomarkers for the presence and progression of left ventricular diastolic dysfunction and HEart faiLure with Preserved ejection Fraction in patients at risk for cardiovascular disease: rationale and design of the HELPFul case-cohort study in a Dutch cardiology outpatient clinic. BMJ Open. 2019. 9:e028408	Aim
van Cauteren, Yvonne J. M., Smulders, Martijn W., Theunissen, Ralph A. L. J., et al. Cardiovascular magnetic resonance accurately detects obstructive coronary artery disease in suspected non-ST elevation myocardial infarction: a sub-analysis of the CARMENTA Trial. Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance. 2021. 23:40	Population
Van der Brue, A.N.M., Perera, R., Van Der Weerd, A., Beek, A.. DIAGNOSTIEK CORONAIRE HARTZIEKTEN. RAPPORT VOOR COLLEGE VOOR ZORGVERZEKERINGEN. #journal#. 2016. #volume#:#pages#	Non-English
van Geuns, R. J., Wielopolski, P. A., de Bruin, H. G., Rensing, B. J., Hulshoff, M., van Ooijen, P. M., de Feyter, P. J., Oudkerk, M.. MR coronary angiography with breath-hold targeted volumes: preliminary clinical results. Radiology. 2000. 217:270-7	Data level
van Geuns, Robert-Jan M., Oudkerk, Matthijs, Rensing, Benno J. W. M., Bongaerts, Alfons H. H., de Bruin, Hein G., Wielopolski, Piotr A., van Ooijen, Peter, de Feyter, Pim J., Serruys, Patrick W.. Comparison of coronary imaging between magnetic resonance imaging and electron beam computed tomography. American Journal of Cardiology. 2002. 90:58-63	Data level
Van Hoe, L., Vanderheyden, M.. Ischemic cardiomyopathy: value of different MRI techniques for prediction of functional recovery after revascularization. AJR. American Journal of Roentgenology. 2004. 182:95-100	Population
van Keulen, J. W., van Prehn, J., Prokop, M., Moll, F. L., van Herwaarden, J. A.. Dynamics of the aorta before and after endovascular aneurysm repair: a systematic review. European Journal of Vascular & Endovascular Surgery. 2009. 38:586-96	Population
van Werkhoven, J. M., Heijnenbrok, M. W., Schuijf, J. D., Jukema, J. W., van der Wall, E. E., Schreurs, J. H., Bax, J. J.. Combined non-invasive anatomical and functional assessment with MSCT and MRI for the detection of significant coronary artery disease in patients with an intermediate pre-test likelihood. Heart. 2010. 96:425-31	Intervention
Vetter, H. O., Driever, R., Mertens, H., Kempkes, U., Cramer, B. M.. Contrast-enhanced magnetic resonance angiography of mammary artery grafts after minimally invasive coronary bypass surgery. Annals of Thoracic Surgery. 2001. 71:1229-32	Data level
Vijarnsorn, C., Noga, M., Schantz, D., Pepelassis, D., Tham, E. B.. Stress perfusion magnetic resonance imaging to detect coronary artery lesions in children. The International Journal of Cardiovascular Imaging. 2017. 33:699-709	Intervention
Villa, A. D. M., Corsinovi, L., Ntalas, I., et al. Importance of operator training and rest perfusion on the diagnostic accuracy of stress perfusion cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance. 2018. 20:7	Aim
Vincenti, G., Masci, P. G., Monney, P., et al. Stress Perfusion CMR in Patients With Known and Suspected CAD: Prognostic Value and Optimal Ischemic Threshold for Revascularization. Jacc: Cardiovascular Imaging. 2017. 10:526-537	Aim

Study Citation	Reason for Exclusion
Vincenti, G., Nkoulou, R., Steiner, C., Imperiano, H., Ambrosio, G., Mach, F., Ratib, O., Vallee, J. P., Schindler, T. H.. Noninvasive stress testing of myocardial perfusion defects: head-to-head comparison of thallium-201 SPECT to MRI perfusion. <i>Journal of Nuclear Cardiology.</i> 2009. 16:549-61	Data level
Vogel-Claussen, J., Li, D., Carr, J., Liu, K., Szklo, M., Lima, J. A., Bluemke, D. A.. Extracoronary abnormalities on coronary magnetic resonance angiography in the multiethnic study of atherosclerosis study: frequency and clinical significance. <i>Journal of Computer Assisted Tomography.</i> 2009. 33:752-4	Aim
Vogel-Claussen, J., Skrok, J., Dombroski, D., Shea, S. M., Shapiro, E. P., Bohlman, M., Lorenz, C. H., Lima, J. A., Bluemke, D. A.. Comprehensive adenosine stress perfusion MRI defines the etiology of chest pain in the emergency room: Comparison with nuclear stress test. <i>Journal of Magnetic Resonance Imaging.</i> 2009. 30:753-62	Setting
Vogel-Claussen, J., Skrok, J., Shehata, M. L., Singh, S., Sibley, C. T., Boyce, D. M., Lechtzin, N., Grgis, R. E., Mathai, S. C., Goldstein, T. A., Zheng, J., Lima, J. A., Bluemke, D. A., Hassoun, P. M.. Right and left ventricular myocardial perfusion reserves correlate with right ventricular function and pulmonary hemodynamics in patients with pulmonary arterial hypertension. <i>Radiology.</i> 2011. 258:119-27	Population
Vogt, F. M., Hunold, P., Herborn, C. U., Ruehm, S. G., Barkhausen, J., Kroger, K.. Combined arterial and venous whole-body MR angiography with cardiac MR imaging in patients with thromboembolic disease--initial experience. <i>European Radiology.</i> 2008. 18:983-92	Population
von Spiczak, J., Manka, R., Gotschy, A., Oebel, S., Kozerke, S., Hamada, S., Alkadhi, H.. Fusion of CT coronary angiography and whole-heart dynamic 3D cardiac MR perfusion: building a framework for comprehensive cardiac imaging. <i>The International Journal of Cardiovascular Imaging.</i> 2018. 34:649-660	Aim
von Spiczak, J., Mannil, M., Model, H., Schwemmer, C., Kozerke, S., Ruschitzka, F., Alkadhi, H., Manka, R.. Multimodal Multiparametric Three-dimensional Image Fusion in Coronary Artery Disease: Combining the Best of Two Worlds. <i>Radiology Cardiothoracic Imaging.</i> 2020. 2:e190116	Intervention
von Zur Muhlen, C., Reiss, S., Krafft, A. J., et al. Coronary magnetic resonance imaging after routine implantation of bioresorbable vascular scaffolds allows non-invasive evaluation of vascular patency. <i>PLoS ONE [Electronic Resource].</i> 2018. 13:e0191413	Population
Wagner, A., Bruder, O., Schneider, S., Nothnagel, D., Buser, P., Pons-Lado, G., Dill, T., Hombach, V., Lombardi, M., van Rossum, A. C., Schwitter, J., Senges, J., Sabin, G. V., Sechtem, U., Mahrholdt, H., Nagel, E.. Current variables, definitions and endpoints of the European cardiovascular magnetic resonance registry. <i>Journal of Cardiovascular Magnetic Resonance.</i> #year#. 11:43	Other (please note rationale)
Wahba, F. F., Lamb, H. J., Bax, J. J., Dibbets-Schneider, P., Bavelaar-Croon, C. D., Zwinderman, A. H., Pauwels, E. K., Van Der Wall, E. E.. Assessment of regional myocardial wall motion and thickening by gated 99Tcm-tetrofosmin SPECT: a comparison with magnetic resonance imaging. <i>Nuclear Medicine Communications.</i> 2001. 22:663-71	Comparator
Walcher, T., Ikuye, K., Rottbauer, W., Wohrle, J., Bernhardt, P.. Is contrast-enhanced cardiac magnetic resonance imaging at 3 T superior to 1.5 T for detection of coronary artery disease?. <i>The International Journal of Cardiovascular Imaging.</i> 2013. 29:355-61	Intervention
Walcher, Thomas, Manzke, Robert, Hombach, Vinzenz, Rottbauer, Wolfgang, Wörkle, Jochen, Bernhardt, Peter. Myocardial Perfusion Reserve Assessed by T2-Prepared Steady-State Free Precession Blood Oxygen Level-Dependent Magnetic Resonance Imaging in Comparison to Fractional Flow Reserve. <i>Circulation: Cardiovascular Imaging.</i> 2012. 5:580-586	Intervention

Study Citation	Reason for Exclusion
Waldmann, V., Bougouin, W., Karam, N., et al. Characteristics and clinical assessment of unexplained sudden cardiac arrest in the real-world setting: focus on idiopathic ventricular fibrillation. European Heart Journal. 2018. 39:1981-1987	Population
Walker, S., Girardin, F., McKenna, C., Ball, S. G., Nixon, J., Plein, S., Greenwood, J. P., Sculpher, M.. Cost-effectiveness of cardiovascular magnetic resonance in the diagnosis of coronary heart disease: an economic evaluation using data from the CE-MARC study. Heart. 2013. 99:873-81	Other (please note rationale)
Wang, L. W., Fahim, M. A., Hayen, A., Mitchell, R. L., Baines, L., Lord, S., Craig, J. C., Webster, A. C.. Cardiac testing for coronary artery disease in potential kidney transplant recipients. Cochrane Database of Systematic Reviews. 2011. #volume#:#pages#	Population
Watabe, H., Sato, A., Nishina, H., Hoshi, T., Sugano, A., Kakefuda, Y., Takaiwa, Y., Aihara, H., Fumikura, Y., Noguchi, Y., Aonuma, K.. Enhancement patterns detected by multidetector computed tomography are associated with microvascular obstruction and left ventricular remodelling in patients with acute myocardial infarction. European Heart Journal. 2016. 37:684-92	Aim
Watanabe, Y., Nagayama, M., Amoh, Y., Fujii, M., Fuku, Y., Okumura, A., Van Cauteren, M., Stuber, M., Dodo, Y.. High-resolution selective three-dimensional magnetic resonance coronary angiography with navigator-echo technique: segment-by-segment evaluation of coronary artery stenosis. Journal of Magnetic Resonance Imaging. 2002. 16:238-45	Data level
Watanuki, A., Yoshino, H., Udagawa, H., Yokoyama, K., Nitatori, T., Hachiya, J., Ishikawa, K.. Quantitative evaluation of coronary stenosis by coronary magnetic resonance angiography. Heart & Vessels. 2000. 15:159-66	Data level
Watkins, S., McGeoch, R., Lyne, J., Steedman, T., Good, R., McLaughlin, M. J., Cunningham, T., Bezlyak, V., Ford, I., Dargie, H. J., Oldroyd, K. G.. Validation of magnetic resonance myocardial perfusion imaging with fractional flow reserve for the detection of significant coronary heart disease. Circulation. 2009. 120:2207-13	Intervention
Weber, O. M., Martin, A. J., Higgins, C. B.. Whole-heart steady-state free precession coronary artery magnetic resonance angiography. Magnetic Resonance in Medicine. 2003. 50:1223-8	Population
Weckbach, S., Findeisen, H. M., Schoenberg, S. O., Kramer, H., Stark, R., Clevert, D. A., Reiser, M. F., Parhofer, K. G.. Systemic cardiovascular complications in patients with long-standing diabetes mellitus: comprehensive assessment with whole-body magnetic resonance imaging/magnetic resonance angiography. Investigative radiology. 2009. 44:242-250	Population
Weidemann, F., Niemann, M., Herrmann, S., Kung, M., Stork, S., Waller, C., Beer, M., Breunig, F., Wanner, C., Voelker, W., Ertl, G., Bijnens, B., Strotmann, J. M.. A new echocardiographic approach for the detection of non-ischaemic fibrosis in hypertrophic myocardium. European Heart Journal. 2007. 28:3020-6	Population
Weininger, M., Schoepf, U. J., Ramachandra, A., Fink, C., Rowe, G. W., Costello, P., Henzler, T.. Adenosine-stress dynamic real-time myocardial perfusion CT and adenosine-stress first-pass dual-energy myocardial perfusion CT for the assessment of acute chest pain: initial results. European Journal of Radiology. 2012. 81:3703-10	Data level
Weir, R. A., Murphy, C. A., Petrie, C. J., Martin, T. N., Balmain, S., Clements, S., Steedman, T., Wagner, G. S., Dargie, H. J., McMurray, J. J.. Microvascular obstruction remains a portent of adverse remodeling in optimally treated patients with left ventricular systolic dysfunction after acute myocardial infarction. Circulation. 2010. Cardiovascular imaging. 3:360-367	Population

Study Citation	Reason for Exclusion
Welker, M., Salanitri, J., Deshpande, V. S., Shea, S. M., Li, D., Pereles, F. S.. Coronary artery anomalies diagnosed by magnetic resonance angiography. <i>Australasian Radiology</i> . 2006. 50:114-21	Other (please note rationale)
Wennike, N., Shah, B. N., Boger, E., Senior, R., Greaves, K.. Stress echocardiography in the district hospital setting: a cost-saving analysis. <i>European Journal of Echocardiography</i> . 2010. 11:401-5	Intervention
Westra, J., Li, Z., Rasmussen, L. D., Winther, S., et al. One-step anatomic and function testing by cardiac CT versus second-line functional testing in symptomatic patients with coronary artery stenosis: head-to-head comparison of CT-derived fractional flow reserve and myocardial perfusion imaging. <i>EuroIntervention</i> . 2020. #volume#:#pages#	Other (please note rationale)
Westra, J., Winther, S., Tu, S., Nissen, L., Gormsen, L., Petersen, S., Ejlersen, J., Isaksen, C., Bottcher, M., Christiansen, E., Holm, N.. Comparison of quantitative flow ratio and fractional flow reserve to identify myocardial ischemia: validation with myocardial perfusion scintigraphy and cardiovascular magnetic resonance. <i>Journal of the american college of cardiology</i> . 2017. 70:B30-	Study Design
Williams, R. P., de Waard, G. A., De Silva, K., et al. Doppler Versus Thermodilution-Derived Coronary Microvascular Resistance to Predict Coronary Microvascular Dysfunction in Patients With Acute Myocardial Infarction or Stable Angina Pectoris. <i>American Journal of Cardiology</i> . 2018. 121:1-8	Intervention
Wilson, R. S., Lin, T., Chambers, C. E., Kadry, Z., Jain, A. B.. Assessing cardiovascular risk in the prerenal transplant population: Comparison of myocardial perfusion imaging and coronary angiography with risk factor stratification. <i>Clinical Transplantation</i> . 2019. 33:e13735	Intervention
Winther, S., Svensson, M., Jorgensen, H. S., Bouchelouche, K., Gormsen, L. C., Pedersen, B. B., Holm, N. R., Botker, H. E., Ivarsen, P., Bottcher, M.. Diagnostic Performance of Coronary CT Angiography and Myocardial Perfusion Imaging in Kidney Transplantation Candidates. <i>Jacc: Cardiovascular Imaging</i> . 2015. 8:553-562	Population
Wittlinger, T., Dzemali, O., Martinovic, I., Moritz, A.. Assessment of coronary artery bypass grafts patency with different magnetic resonance technologies. <i>European Journal of Cardio-Thoracic Surgery</i> . 2006. 30:436-42	Data level
Wittlinger, T., Martinovic, I., Moritz, A., Kalden, P., Kreitner, K. F.. Assessment of the distal anastomosis of coronary artery bypass grafts with a 2D T2-weighted turbo spin echo sequence and correlation to conventional coronary angiography. <i>International Journal of Cardiology</i> . 2006. 109:219-25	Data level
Wittlinger, T., Voigtlander, T., Rohr, M., Meyer, J., Thelen, M., Kreitner, K. F., Kalden, P.. Magnetic resonance imaging of coronary artery occlusions in the navigator technique. <i>The International Journal of Cardiovascular Imaging</i> . 2002. 18:203-11; discussion 213-5	Data level
Wong, D. T., Leung, M. C., Richardson, J. D., et al. Cardiac magnetic resonance derived late microvascular obstruction assessment post ST-segment elevation myocardial infarction is the best predictor of left ventricular function: a comparison of angiographic and cardiac magnetic resonance derived measurements. <i>The International Journal of Cardiovascular Imaging</i> . 2012. 28:1971-81	Population
Wong, Y., Rodwell, A., Dawkins, S., Livesey, S. A., Simpson, I. A.. Sex differences in investigation results and treatment in subjects referred for investigation of chest pain. <i>Heart (British Cardiac Society)</i> . 2001. 85:149-152	Intervention

Study Citation	Reason for Exclusion
Writing, group, Document reading, group, for, Eacvi Reviewers: This document was reviewed by members of the EACVI Scientific Documents Committee. A joint procedural position statement on imaging in cardiac sarcoidosis: from the Cardiovascular and Inflammation & Infection Committees of the European Association of Nuclear Medicine, the European Association of Cardiovascular Imaging, and the American Society of Nuclear Cardiology. European heart journal cardiovascular Imaging. 2017. 18:1073-1089	Population
Xu, H. Y., Yang, Z. G., Sun, J. Y., Wen, L. Y., Zhang, G., Zhang, S., Guo, Y. K.. The regional myocardial microvascular dysfunction differences in hypertrophic cardiomyopathy patients with or without left ventricular outflow tract obstruction: assessment with first-pass perfusion imaging using 3.0-T cardiac magnetic resonance. European Journal of Radiology. 2014. 83:665-72	Population
Yacoub, B., Stroud, R. E., Piccini, D., Schoepf, U. J., Heerfordt, J., Yerly, J., Di Sopra, L., Rollins, J. D., Turner, D. A., Emrich, T., Xiong, F., Suranyi, P., Varga-Szemes, A.. Measurement accuracy of prototype non-contrast, compressed sensing-based, respiratory motion-resolved whole heart cardiovascular magnetic resonance angiography for the assessment of thoracic aortic dilatation: comparison with computed tomography angiography. Journal of Cardiovascular Magnetic Resonance. 2021. 23:7	Population
Yamaguchi, H., Toba, M., Amano, Y., Ishihara, K., Mizuno, K., Kumita, S.. Underestimation of the ejection fraction using the quantitative gated SPECT for patients with myocardial hypertrophy. Annals of Nuclear Medicine. 2013. 27:502-7	Comparator
Yan, A. T., Gibson, C. M., Larose, E., Anavekar, N. S., Tsang, S., Solomon, S. D., Reynolds, G., Kwong, R. Y.. Characterization of microvascular dysfunction after acute myocardial infarction by cardiovascular magnetic resonance first-pass perfusion and late gadolinium enhancement imaging. Journal of Cardiovascular Magnetic Resonance. 2006. 8:831-7	Population
Yang, C. W., Carr, J. C., Francois, C. J., Shea, S. M., Deshpande, V. S., Meyers, S. N., Beohar, N., Finn, J. P., Li, D.. Coronary magnetic resonance angiography using magnetization-prepared contrast-enhanced breath-hold volume-targeted imaging (MPCE-VCATS). Investigative Radiology. 2006. 41:639-44	Data level
Yang, P. C., Nguyen, P., Shimakawa, A., Brittain, J., Pauly, J., Nishimura, D., Hu, B., McConnell, M.. Spiral magnetic resonance coronary angiography--direct comparison of 1.5 Tesla vs. 3 Tesla. Journal of Cardiovascular Magnetic Resonance. 2004. 6:877-84	Other (please note rationale)
Yang, Q., Li, K., Liu, X., Bi, X., Liu, Z., An, J., Zhang, A., Jerecic, R., Li, D.. Contrast-enhanced whole-heart coronary magnetic resonance angiography at 3.0-T: a comparative study with X-ray angiography in a single center. Journal of the American College of Cardiology. 2009. 54:69-76	Setting
Yang, Q., Li, K., Liu, X., Du, X., Bi, X., Huang, F., Jerecic, R., Liu, Z., An, J., Xu, D., Zheng, H., Fan, Z., Li, D.. 3.0T whole-heart coronary magnetic resonance angiography performed with 32-channel cardiac coils: a single-center experience. Circulation. Cardiovascular imaging. 2012. 5:573-9	Setting
Yigit, H., Onder, A., Ozgur, S., Aycan, Z., Karademir, S., Dogan, V.. Cardiac MRI and 3D contrast-enhanced MR angiography in pediatric and young adult patients with Turner syndrome. Turkish Journal of Medical Sciences. 2017. 47:127-133	Population
Yilmaz, A., Athanasiadis, A., Mahrholdt, H., Voehringer, M., Ong, P., Hill, S., Kispert, E. M., Sebo, M., Sechtem, U.. Diagnostic value of perfusion cardiovascular magnetic resonance in patients with angina pectoris but normal coronary angiograms assessed by intracoronary acetylcholine testing. Heart. 2010. 96:372-9	Population

Study Citation	Reason for Exclusion
Yilmaz, A., Dengler, M. A., van der Kuip, H., Yildiz, H., Rosch, S., Klumpp, S., Klingel, K., Kandolf, R., Helluy, X., Hiller, K. H., Jakob, P. M., Sechtem, U.. Imaging of myocardial infarction using ultrasmall superparamagnetic iron oxide nanoparticles: a human study using a multi-parametric cardiovascular magnetic resonance imaging approach. European Heart Journal. 2013. 34:462-75	Study Design
Yilmaz, A., Rosch, S., Klingel, K., Kandolf, R., Helluy, X., Hiller, K. H., Jakob, P. M., Sechtem, U.. Magnetic resonance imaging (MRI) of inflamed myocardium using iron oxide nanoparticles in patients with acute myocardial infarction - preliminary results. International Journal of Cardiology. 2013. 163:175-82	Population
Yin, L., Xu, H. Y., Zheng, S. S., Zhu, Y., Xiao, J. X., Zhou, W., Yu, S. S., Gong, L. G.. 3.0 T magnetic resonance myocardial perfusion imaging for semi-quantitative evaluation of coronary microvascular dysfunction in hypertrophic cardiomyopathy. The International Journal of Cardiovascular Imaging. 2017. 33:1949-1959	Population
Yoon, Y. E., Kitagawa, K., Kato, S., Ishida, M., Nakajima, H., Kurita, T., Ito, M., Sakuma, H.. Prognostic value of coronary magnetic resonance angiography for prediction of cardiac events in patients with suspected coronary artery disease. Journal of the American College of Cardiology. 2012. 60:2316-22	Aim
Younger, J. F., Plein, S., Crean, A., Ball, S. G., Greenwood, J. P.. Visualization of coronary venous anatomy by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance. 2009. 11:26	Population
Yu, J., Schar, M., Vonken, E. J., Kelle, S., Stuber, M.. Improved SNR efficiency in gradient echo coronary MRA with high temporal resolution using parallel imaging. Magnetic Resonance in Medicine. 2009. 62:1211-20	Aim
Yu, M., Chen, X., Dai, X., Pan, J., Wang, Y., Lu, B., Zhang, J.. The Value of Low-Dose Dynamic Myocardial Perfusion CT for Accurate Evaluation of Microvascular Obstruction in Patients With Acute Myocardial Infarction. AJR. American Journal of Roentgenology. 2019. 213:798-806	Comparator
Yun, C. H., Tsai, J. P., Tsai, C. T., Mok, G. S., Sun, J. Y., Hung, C. L., Wu, T. H., Huang, W. T., Yang, F. S., Lee, J. J., Cury, R. C., Fares, A., Nshisso, L. D., Bezerra, H. G.. Qualitative and semi-quantitative evaluation of myocardium perfusion with 3 T stress cardiac MRI. BMC Cardiovascular Disorders. 2015. 15:164	Setting
Yun, H., Jin, H., Yang, S., Huang, D., Chen, Z. W., Zeng, M. S.. Coronary artery angiography and myocardial viability imaging: a 3.0-T contrast-enhanced magnetic resonance coronary artery angiography with Gd-BOPTA. The International Journal of Cardiovascular Imaging. 2014. 30:99-108	Setting
Zanardo, M., Sardanelli, F., Rainford, L., Monti, C. B., Murray, J. G., Secchi, F., Cradock, A.. Technique and protocols for cardiothoracic time-resolved contrast-enhanced magnetic resonance angiography sequences: a systematic review. Clinical Radiology. 2021. 76:156.e9-156.e18	Aim
Zarka, S., Bouleti, C., Arangalage, D., Chopra, H., Chillon, S., Henry-Feugeas, M. C., Abtan, J., Juliard, J. M., Iung, B., Vahanian, A., Laissy, J. P., Ou, P.. Usefulness of Subepicardial Hyperemia on Contrast-Enhanced First-Pass Magnetic Resonance Perfusion Imaging for Diagnosis of Acute Myocarditis. American Journal of Cardiology. 2016. 118:440-5	Population
Zeb, I., Abbas, N., Nasir, K., Budoff, M. J.. Coronary computed tomography as a cost-effective test strategy for coronary artery disease assessment - a systematic review. Atherosclerosis. 2014. 234:426-35	Study Design

Study Citation	Reason for Exclusion
Zemrak, F., Raisi-Estabragh, Z., Khanji, M. Y., Mohiddin, S. A., Bruder, O., Wagner, A., Lombardi, M., Schwitter, J., van Rossum, A. C., Pilz, G., Nothnagel, D., Steen, H., Nagel, E., Prasad, S. K., Deluigi, C. C., Dill, T., Frank, H., Schneider, S., Mahrholdt, H., Petersen, S. E.. Left Ventricular Hypertrabeculation Is Not Associated With Cardiovascular Morbidity or Mortality: Insights From the Eurocmr Registry. <i>Frontiers in Cardiovascular Medicine.</i> #year#. 7:158	Aim
Zhang, L., Song, X., Dong, L., Li, J., Dou, R., Fan, Z., An, J., Li, D.. Additive value of 3T cardiovascular magnetic resonance coronary angiography for detecting coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2018. 20:29	Setting
Zhao, L., Ma, X., Delano, M. C., Jiang, T., Zhang, C., Liu, Y., Zhang, Z.. Assessment of myocardial fibrosis and coronary arteries in hypertrophic cardiomyopathy using combined arterial and delayed enhanced CT: comparison with MR and coronary angiography. <i>European Radiology.</i> 2013. 23:1034-43	Population
Zhao, L., Ma, X., Ge, H., Zhang, C., Wang, Z., Teraoka, K., Fan, Z.. Diagnostic performance of computed tomography for detection of concomitant coronary disease in hypertrophic cardiomyopathy. <i>European Radiology.</i> 2015. 25:767-75	Setting
Zhao, S. H., Li, C. G., Chen, Y. Y., Yun, H., Zeng, M. S., Jin, H.. Applying Nitroglycerin at Coronary MR Angiography at 1.5 T: Diagnostic Performance of Coronary Vasodilation in Patients with Coronary Artery Disease. <i>Radiology Cardiothoracic Imaging.</i> 2020. 2:e190018	Setting
Zhou, W., Lee, J. C. Y., Leung, S. T., Lai, A., Lee, T. F., Chiang, J. B., Cheng, Y. W., Chan, H. L., Yiu, K. H., Goh, V. K., Pennell, D. J., Ng, M. Y.. Long-Term Prognosis of Patients With Coronary Microvascular Disease Using Stress Perfusion Cardiac Magnetic Resonance. <i>Jacc: Cardiovascular Imaging.</i> 2021. 14:602-611	Aim
Zitzelsberger, T., Krumm, P., Hornung, A., Kramer, U., Nikolaou, K., Schafer, J. F., Schick, F., Sieverding, L., Martirosian, P.. Multi-phase coronary magnetic resonance angiography improves delineation of coronary arteries. <i>Acta Radiologica.</i> 2019. 60:1422-1429	Population
Zorach, B., Shaw, P. W., Bourque, J., Kuruvilla, S., Balfour, P. C., Jr., Yang, Y., Mathew, R., Pan, J., Gonzalez, J. A., Taylor, A. M., Meyer, C. H., Epstein, F. H., Kramer, C. M., Salerno, M.. Quantitative cardiovascular magnetic resonance perfusion imaging identifies reduced flow reserve in microvascular coronary artery disease. <i>Journal of Cardiovascular Magnetic Resonance.</i> 2018. 20:14	Aim
Zun, Z., Varadarajan, P., Pai, R. G., Wong, E. C., Nayak, K. S.. Arterial spin labeled CMR detects clinically relevant increase in myocardial blood flow with vasodilation. <i>Jacc: Cardiovascular Imaging.</i> 2011. 4:1253-61	Outcomes