



Michael Salerno

Professor of Medicine (Cardiovascular) and of Radiology (Cardiovascular Imaging)
Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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Bio

BIO

Dr. Salerno completed his BS in Biological Engineering at Cornell University, and his MD and PhD in Biomedical Engineering at the University of Virginia as part of the Medical Scientist Training Program. He then completed the American Board of Internal Medicine Research Pathway with an Internal Medicine residency at Stanford University, and his general cardiology fellowship at Duke University Medical Center. During his time at Duke he completed a dedicated year in cardiovascular MRI at the Duke Cardiovascular MR Imaging Center. He returned to UVA in 2008 to complete a 2-year advanced cardiovascular imaging fellowship where he trained in CMR and cardiovascular CTA. He achieved COCATS Level III training in all cardiovascular imaging modalities (Echo, Nuclear, CMR, CCT), and is board certified in Echocardiography and Nuclear Cardiology. He served as faculty at UVA in Cardiology, Radiology, and Biomedical Engineering from 2010-2021 where he was the Director of Cardiac MRI and the Medical Director of Echocardiography, before returning to Stanford.

His research involves the development and evaluation of novel MRI pulse sequences and techniques to improve the clinical utility of CMR imaging. The current focus of the research is on quantitative myocardial perfusion imaging, quantitative imaging of myocardial fibrosis, rapid free-breathing and self-gated imaging, and deep learning for image reconstruction and post-processing. His laboratory includes undergraduate and graduate engineering students as well as clinical cardiovascular imaging fellows to bring new advances into clinical practice. Dr. Salerno has been in the field of MRI for 25 years and holds multiple patents related to the development and application of novel pulse sequences for MRI. He has received numerous research awards, and has published extensively in the areas of MRI, cardiovascular MRI and multi-modality cardiovascular imaging. His research has been supported by the AHA and the National Institutes of Health. He is a deputy editor for JACC Cardiovascular Imaging.

Outside of work, Dr. Salerno enjoys sailing, rock climbing, skiing, running, biking, hiking, and spending time with his wife Cherie, and his two boys Christopher and Joseph.

CLINICAL FOCUS

- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Cardiovascular Medicine
- Professor - University Medical Line, Radiology
- Member, Bio-X
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Section Chief of Cardiac Imaging, Stanford University, (2022- present)
- Medical Director, Echocardiography, Stanford University, (2022- present)

HONORS AND AWARDS

- Fellow, American Heart Association (2023)
- Fellow, American College of Cardiology (2014)
- Best Doctors in America, Best Doctors (2015-2021)

PROFESSIONAL EDUCATION

- Board Certification: Adult Echocardiography, National Board of Echocardiography (2010)
- Board Certification: Nuclear Cardiology, Certification Board of Nuclear Cardiology
- Board Certification: Cardiovascular Computed Tomography, Alliance for Physician Certification and Advancement
- Board Certification, Certification Board of Cardiovascular CT , Cardiovascular CT (2021)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2009)
- Fellowship, University of Virginia , Advanced Cardiovascular Imaging (2010)
- Fellowship: Duke University Cardiovascular Medicine Fellowships (2008) NC
- Residency: Stanford University Internal Medicine Residency (2005) CA
- Medical Education: University of Virginia School of Medicine (2003) VA
- MS, University of Virginia , Statistics (2014)
- PhD, University of Virginia , Biomedical Engineering (2003)
- MD, University of Virginia , Medicine (2001)

LINKS

- Advanced CV Imaging Lab Website: <https://advancedcvimaginglab.sites.stanford.edu/>

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Shire Beach, Quan Chen, Sizhuo Liu, Shen Zhao

Doctoral Dissertation Co-Advisor (NonAC)

Xitong Wang

Doctoral Dissertation Reader (NonAC)

Tyler Cork

Postdoctoral Research Mentor

Shen Zhao

Publications

PUBLICATIONS

- **Deep learning-based rapid image reconstruction and motion correction for high-resolution cartesian first-pass myocardial perfusion imaging at 3T.** *Magnetic resonance in medicine*
Wang, J., Salerno, M.
2024
- **Precision of Echocardiographic Measurements.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Pillai, B., Salerno, M., Schnittger, I., Cheng, S., Ouyang, D.
2024
- **Pilot Study of Supervised Exercise and Intensive Medical Therapy in Patients with INOCA and Coronary Microvascular Dysfunction.** *The American journal of cardiology*
Schumann, C. L., Nealy, Z. B., Mathew, R. C., Yang, Y., Balfour, P. C., Shaw, P. W., Salerno, M., Kramer, C. M., Bourque, J. M.
2024
- **Cardiometabolic biomarker patterns associated with cardiac MRI defined fibrosis and microvascular dysfunction in patients with heart failure with preserved ejection fraction.** *Frontiers in cardiovascular medicine*
Siggins, C., Pan, J. A., Loffler, A. I., Yang, Y., Shaw, P. W., Balfour, P. C., Epstein, F. H., Gan, L., Kramer, C. M., Keeley, E. C., Salerno, M.
2024; 11: 1334226
- **Genetic architecture of cardiac dynamic flow volumes.** *Nature genetics*
Gomes, B., Singh, A., O'Sullivan, J. W., Schnurr, T. M., Goddard, P. C., Loong, S., Amar, D., Hughes, J. W., Kostur, M., Haddad, F., Salerno, M., Foo, R., Montgomery, et al
2023
- **High-resolution spiral real-time cardiac cine imaging with deep learning-based rapid image reconstruction and quantification.** *NMR in biomedicine*
Wang, J., Awad, M., Zhou, R., Wang, Z., Wang, X., Feng, X., Yang, Y., Meyer, C., Kramer, C. M., Salerno, M.
2023: e5051
- **Transfemoral tricuspid valve replacement and one-year outcomes: the TRISCEND study.** *European heart journal*
Kodali, S., Hahn, R. T., Makkar, R., Makar, M., Davidson, C. J., Puthumana, J. J., Zahr, F., Chadderdon, S., Fam, N., Ong, G., Yadav, P., Thourani, V., Vannan, et al
2023
- **Dynamic cardiac MRI with high spatiotemporal resolution using accelerated spiral-out and spiral-in/out bSSFP pulse sequences at 1.5 T.** *Magma (New York, N.Y.)*
Wang, Z., Feng, X., Salerno, M., Kramer, C. M., Meyer, C. H.
2023
- **Deferred Testing in Stable Outpatients With Suspected Coronary Artery Disease: A Prespecified Secondary Analysis of the PRECISE Randomized Clinical Trial.** *JAMA cardiology*
Udelson, J. E., Kelsey, M. D., Nanna, M. G., Fordyce, C. B., Yow, E., Clare, R. M., Mark, D. B., Patel, M. R., Rogers, C., Curzen, N., Pontone, G., Maurovich-Horvat, P., De Bruyne, et al
2023
- **Comparison of an Initial Risk-Based Testing Strategy vs Usual Testing in Stable Symptomatic Patients With Suspected Coronary Artery Disease: The PRECISE Randomized Clinical Trial.** *JAMA cardiology*
Douglas, P. S., Nanna, M. G., Kelsey, M. D., Yow, E., Mark, D. B., Patel, M. R., Rogers, C., Udelson, J. E., Fordyce, C. B., Curzen, N., Pontone, G., Maurovich-Horvat, P., De Bruyne, et al
2023
- **CLINICAL AND ECHOCARDIOGRAPHIC DIVERSITY ASSOCIATED WITH PHYSICAL FITNESS: THE PROJECT BASELINE HEALTH STUDY**
Cauwenberghs, N., Daubert, M. A., Salerno, M., Had-Dad, F., Kuznetsova, T., Douglas, P. S.
LIPPINCOTT WILLIAMS & WILKINS.2023: E46-E47

- **Clinical and echocardiographic diversity associated with physical fitness in the Project Baseline Health Study: implications for heart failure staging.** *Journal of cardiac failure*
Cauwenberghs, N., Haddad, F., Daubert, M. A., Chatterjee, R., Salerno, M., Mega, J. L., Heidenreich, P., Hernandez, A., Amsallem, M., Kobayashi, Y., Mahaffey, K. W., Shah, S. H., Bloomfield, et al
2023
- **Novel left ventricular mechanical index in pulmonary arterial hypertension.** *Pulmonary circulation*
Ichimura, K., Santana, E. J., Kuznetsova, T., Cauwenberghs, N., Sabov#ik, F., Chun, L., Francisco, N. L., Kheifets, V. O., Salerno, M., Zamanian, R. T., Spiekerkoetter, E., Haddad, F.
2023; 13 (2): e12216
- **Deep learning-enabled analysis of medical images identifies cardiac sphericity as an early marker of cardiomyopathy and related outcomes.** *Med (New York, N.Y.)*
Vukadinovic, M., Kwan, A. C., Yuan, V., Salerno, M., Lee, D. C., Albert, C. M., Cheng, S., Li, D., Ouyang, D., Clarke, S. L.
2023
- **Seeing the Unseen in Cardiac Remodeling: Cardiac Diffusion Tensor Imaging as a Structural Biomarker in STEMI.** *JACC. Cardiovascular imaging*
Ennis, D. B., Salerno, M.
2023; 16 (2): 172-174
- **Defining left ventricular remodeling using lean body mass allometry: a UK Biobank study.** *European journal of applied physiology*
Gomes, B., Hedman, K., Kuznetsova, T., Cauwenberghs, N., Hsu, D., Kobayashi, Y., Ingelsson, E., Oxborough, D., George, K., Salerno, M., Ashley, E., Haddad, F.
2023
- **Myocardial Injury on CMR in Patients With COVID-19 and Suspected Cardiac Involvement.** *JACC. Cardiovascular imaging*
Vidula, M. K., Rajewska-Tabor, J., Cao, J. J., Kang, Y., Craft, J., Mei, W., Chandrasekaran, P. S., Clark, D. E., Poenar, A., Gorecka, M., Malahfji, M., Cowan, E., Kwan, et al
2022
- **Circulating Biomarkers in Hypertrophic Cardiomyopathy.** *Journal of the American Heart Association*
Matthia, E. L., Setteducato, M. L., Elzeneini, M., Vernace, N., Salerno, M., Kramer, C. M., Keeley, E. C.
2022: e027618
- **Reference change value of global longitudinal strain in clinical practice: A test-rest quality implementation project.** *Echocardiography (Mount Kisco, N.Y.)*
Tuzovic, M., Tang, X., Francisco, N., Sell, A., Drew, R., Paloma, A., Chow, J., Liang, D., Heidenreich, P., Salerno, M., Schnittger, I., Haddad, F.
2022
- **Machine learning for multidimensional response and survival after cardiac resynchronization therapy using features from cardiac magnetic resonance.** *Heart rhythm O2*
Bivona, D. J., Tallavajhala, S., Abdi, M., Oomen, P. J., Gao, X., Malhotra, R., Darby, A. E., Monfredi, O. J., Mangrum, J. M., Mason, P. K., Mazimba, S., Salerno, M., Kramer, et al
2022; 3 (5): 542-552
- **The impact of COVID-19 on clinical outcomes among acute myocardial infarction patients undergoing early invasive treatment strategy.** *Clinical cardiology*
Sharma, P., Shah, K., Loomba, J., Patel, A., Mallawaarachchi, I., Blazek, O., Ratcliffe, S., Breathett, K., Johnson, A. E., Taylor, A. M., Salerno, M., Ragosta, M., Sodhi, et al
2022
- **Highlights of the Virtual Society for Cardiovascular Magnetic Resonance 2022 Scientific Conference: CMR: improving cardiovascular care around the world.** *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*
Ojha, V., Khaliq, O. K., Khurana, R., Lorenzatti, D., Leung, S. W., Lawton, B., Slesnick, T. C., Cavalcante, J. C., Ducci, C., Patel, A. R., Prieto, C. C., Plein, S., Raman, et al
2022; 24 (1): 38
- **A Slice-Low-Rank Plus Sparse (slice-L+S) Reconstruction Method for k-t Undersampled Multiband First-Pass Myocardial Perfusion MRI.** *Magnetic resonance in medicine*
Sun, C., Robinson, A., Wang, Y., Bilchick, K. C., Kramer, C. M., Weller, D., Salerno, M., Epstein, F. H.
2022
- **Systemic arterial pulsatility index (SAPi) predicts adverse outcomes in advanced heart failure patients.** *Heart and vessels*

- Mazimba, S., Mwansa, H., Breathett, K., Strickling, J. E., Shah, K., McNamara, C., Mehta, N., Kwon, Y., Lamp, J., Feng, L., Tallaj, J., Pamboukian, S., Mubanga, et al
2022
- **Free-breathing self-gated continuous-IR spiral T1 mapping: Comparison of dual flip-angle and Bloch-Siegert B1-corrected techniques.** *Magnetic resonance in medicine*
Zhou, R., Wang, J., Weller, D. S., Yang, Y., Mugler, J. P., Salerno, M.
2022
 - **Cardiovascular Imaging for Ischemic Heart Disease in Women: Time for a Paradigm Shift.** *JACC. Cardiovascular imaging*
Rodriguez Lozano, P. F., Rrapo Kaso, E., Bourque, J. M., Morsy, M., Taylor, A. M., Villines, T. C., Kramer, C. M., Salerno, M.
2022
 - **Transfemoral Tricuspid Valve Replacement in Patients With Tricuspid Regurgitation: TRISCEND Study 30-Day Results.** *JACC. Cardiovascular interventions*
Kodali, S., Hahn, R. T., George, I., Davidson, C. J., Narang, A., Zahr, F., Chadderdon, S., Smith, R., Grayburn, P. A., O'Neill, W. W., Wang, D. D., Herrmann, H., Silvestry, et al
2022; 15 (5): 471-480
 - **RARE CONGENITAL DEFECT IN AN ELDERLY PATIENT UNROOFED WITH MULTI-MODALITY CARDIAC IMAGING**
Lozano, P., Hegde, S., Morsy, M., Villines, T. C., Kramer, C. M., Salerno, M.
ELSEVIER SCIENCE INC.2022: 3026
 - **MYOCARDIAL PERFUSION IS ASSOCIATED WITH BIOMARKERS OF METABOLIC DISEASE AND CARDIAC REMODELING IN HEART FAILURE WITH PRESERVED EJECTION FRACTION**
Pan, J. A., Siggins, C., Loffler, A., Kuruvilla, S., Epstein, F., Kramer, C. M., Keeley, E., Gan, L., Salerno, M.
ELSEVIER SCIENCE INC.2022: 331
 - **ASSOCIATION OF PULMONARY TRANSIT TIME WITH MORTALITY AND RIGHT HEART CATHETERIZATION PARAMETERS IN PATIENTS WITH HFREF**
Makepeace, J., Ondigi, O., Turgut, A., van Houten, M., Salerno, M., Bilchick, K., Mazimba, S.
ELSEVIER SCIENCE INC.2022: 1190
 - **A COMMON CARDIAC TUMOR IN AN UNCOMMON LOCATION: A DIAGNOSTIC DILEMMA**
Lozano, P., Hegde, S., Teman, N., Dibbern, M., Villines, T. C., Salerno, M.
ELSEVIER SCIENCE INC.2022: 3432
 - **PER-VESSEL AND PER-PATIENT DIAGNOSTIC PERFORMANCE OF COMMERCIAL CT-FFR ACCORDING TO PER-PATIENT AND PER-VESSEL CAC IN A HIGH CAC COHORT**
Udoh, E., Aziz, M., Sidhu, R., Kosturakis, R., Hermel, M., Waldman, C., Bagsic, S., Newlander, S., Avalos, R., Haghani, K., Khadivi, B., Brown, J., Charlat, et al
ELSEVIER SCIENCE INC.2022: 1253
 - **Utility of Ischemia Testing Prior to Ablation for Sustained Monomorphic Ventricular Tachycardia.** *The Journal of innovations in cardiac rhythm management*
Mehta, N. K., Schumann, C., Davogustto, G., Cluckey, A., Harmon, E., France, J., Mangrum, J. M., Mason, P., Mazimba, S., Malhotra, R., Bilchick, K., Darby, A., Salerno, et al
2022; 13 (3): 4908-4914
 - **Left Ventricular Strain Is Associated With Myocardial Recovery Following ST-Elevation Myocardial Infarction, a Prospective Longitudinal CMR Study** *FRONTIERS IN CARDIOVASCULAR MEDICINE*
Taha, M. B., Jeng, E. I., Salerno, M., Moguillansky, D., Keeley, E. C., Al-Ani, M. A.
2022; 9: 842619
 - **Society for Cardiovascular Magnetic Resonance perspective on the 2021 AHA/ACC Chest Pain Guidelines.** *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*
Arai, A. E., Kwong, R. Y., Salerno, M., Greenwood, J. P., Bucciarelli-Ducci, C.
1800; 24 (1): 8
 - **CMR 4D-Flow Wall Shear Stress and Aortic Dilation in Bicuspid Aortic Valve** *JACC-CARDIOVASCULAR IMAGING*
Salerno, M., Chandrashekar, Y.
2022; 15 (1): 177-179

- **Cardiac magnetic resonance defines mechanisms of sex-based differences in outcomes following cardiac resynchronization therapy.** *Frontiers in cardiovascular medicine*
Bivona, D. J., Tallavajhala, S., Abdi, M., Oomen, P. J., Gao, X., Malhotra, R., Darby, A., Monfredi, O. J., Mangrum, J. M., Mason, P., Mazimba, S., Salerno, M., Kramer, et al
2022; 9: 1007806
- **DEep learning-based rapid Spiral Image REconstruction (DESIRE) for high-resolution spiral first-pass myocardial perfusion imaging.** *NMR in biomedicine*
Wang, J., Weller, D. S., Kramer, C. M., Salerno, M.
1800: e4661
- **Circulating fibrocyte levels correlate with infarct size in patients with ST elevation myocardial infarction treated with primary percutaneous coronary intervention.** *American heart journal plus : cardiology research and practice*
Elzeneini, M., Al-Ani, M., Peters, A. E., Burdick, M. D., Yang, N., Salerno, M., Mehrad, B., Keeley, E. C.
1800; 12
- **Assessing Cardiac Remodeling in Aortic Regurgitation Using Indexed Extracellular Volume: More Than Meets the "i"?** *JACC. Cardiovascular imaging*
Salerno, M., Patel, T.
2021; 14 (11): 2183-2185
- **Stress Cardiac Magnetic Resonance Myocardial Perfusion Imaging: JACC Review Topic of the Week.** *Journal of the American College of Cardiology*
Patel, A. R., Salerno, M., Kwong, R. Y., Singh, A., Heydari, B., Kramer, C. M.
2021; 78 (16): 1655-1668
- **Correction to: Reference ranges ("normal values") for cardiovascular magnetic resonance (CMR) in adults and children: 2020 update.** *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*
Kawel-Boehm, N., Hetzel, S. J., Ambale-Venkatesh, B., Captur, G., Francois, C. J., Jerosch-Herold, M., Salerno, M., Teague, S. D., Valsangiacomo-Buechel, E., van der Geest, R. J., Bluemke, D. A.
2021; 23 (1): 114
- **Toward Replacing Late Gadolinium Enhancement With Artificial Intelligence Virtual Native Enhancement for Gadolinium-Free Cardiovascular Magnetic Resonance Tissue Characterization in Hypertrophic Cardiomyopathy** *CIRCULATION*
Zhang, Q., Burrage, M. K., Lukashuk, E., Shanmuganathan, M., Popescu, I. A., Nikolaidou, C., Mills, R., Werys, K., Hann, E., Barutcu, A., Polat, S. D., Salerno, M., Jerosch-Herold, et al
2021; 144 (8): 589-599
- **Cardiac Magnetic Resonance Assessment of Response to Cardiac Resynchronization Therapy and Programming Strategies.** *JACC. Cardiovascular imaging*
Gao, X., Abdi, M., Auger, D. A., Sun, C., Hanson, C. A., Robinson, A. A., Schumann, C., Oomen, P. J., Ratcliffe, S., Malhotra, R., Darby, A., Monfredi, O. J., Mangrum, et al
2021
- **Venoarterial Extracorporeal Membrane Oxygenation for Acute Massive Pulmonary Embolism: a Meta-Analysis and Call to Action** *JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH*
Kaso, E., Pan, J. A., Salerno, M., Kadl, A., Aldridge, C., Haskal, Z. J., Kennedy, J. W., Mazimba, S., Mihalek, A. D., Teman, N. R., Giri, J., Aronow, H. D., Sharma, et al
2021
- **Functional and Economic Impact of INOCA and Influence of Coronary Microvascular Dysfunction** *JACC-CARDIOVASCULAR IMAGING*
Schumann, C. L., Mathew, R. C., Dean, J. L., Yang, Y., Balfour, P. C., Shaw, P. W., Robinson, A. A., Salerno, M., Kramer, C. M., Bourque, J. M.
2021; 14 (7): 1369-1379
- **Dual excitation flip angle simultaneous cine and T-1 mapping using SPiral Acquisition with Respiratory and Cardiac Self-gating (CAT-SPARCS) (vol 86, pg 82, 2021)** *MAGNETIC RESONANCE IN MEDICINE*
Zhou, R., Weller, D. S., Yang, Y., Wang, J., Jeelani, H., Mugler, J. P., Salerno, M.
2021
- **Predictors of Major Atrial Fibrillation Endpoints in the National Heart, Lung, and Blood Institute HCMR.** *JACC. Clinical electrophysiology*
Kramer, C. M., DiMarco, J. P., Kolm, P., Ho, C. Y., Desai, M. Y., Kwong, R. Y., Dolman, S. F., Geller, N., Kim, D., Maron, M. S., Appelbaum, E., Jerosch-Herold, M., Friedrich, et al
2021

- **AN UNUSUAL STEMI: CMR DEMONSTRATES ARRHYTHMOGENIC RV CARDIOMYOPATHY (ARVC) AS LIKELY CAUSE FOR VENTRICULAR FIBRILLATION**
Lozano, P., Franklin, F., Robinson, A., Kramer, C., Hagspiel, K., Salerno, M.
ELSEVIER SCIENCE INC.2021: 2668
- **Quality assurance of quantitative cardiac T1-mapping in multicenter clinical trials - A T1 phantom program from the hypertrophic cardiomyopathy registry (HCMR) study** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
Zhang, Q., Werys, K., Popescu, I. A., Biasioli, L., Ntusi, N. B., Desai, M., Zimmerman, S. L., Shah, D. J., Autry, K., Kim, B., Kim, H. W., Jenista, E. R., Huber, et al
2021; 330: 251-258
- **Diagnostic Accuracy of Spiral Whole-Heart Quantitative Adenosine Stress Cardiovascular Magnetic Resonance With Motion Compensated L1-SPIRIT** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Pan, J. A., Robinson, A. A., Yang, Y., Lozano, P., McHugh, S., Holland, E. M., Meyer, C. H., Taylor, A. M., Kramer, C. M., Salerno, M.
2021; 54 (4): 1268-1279
- **High spatial resolution spiral first-pass myocardial perfusion imaging with whole-heart coverage at 3 T** *MAGNETIC RESONANCE IN MEDICINE*
Wang, J., Yang, Y., Weller, D. S., Zhou, R., Van Houten, M., Sun, C., Epstein, F. H., Meyer, C. H., Kramer, C. M., Salerno, M.
2021: 648-662
- **Valve-sparing aortic root replacement after neonatal arterial switch operation** *JOURNAL OF CARDIAC SURGERY*
Narahari, A. K., Mehaffey, J., Salerno, M., Battle, R., Ailawadi, G.
2021; 36 (6): 2146-2148
- **Dual-excitation flip-angle simultaneous cine and T-1 mapping using spiral acquisition with respiratory and cardiac self-gating** *MAGNETIC RESONANCE IN MEDICINE*
Zhou, R., Weller, D. S., Yang, Y., Wang, J., Jeelani, H., Mugler, J. P., Salerno, M.
2021: 82-96
- **Common genetic variants and modifiable risk factors underpin hypertrophic cardiomyopathy susceptibility and expressivity** *NATURE GENETICS*
Harper, A. R., Goel, A., Grace, C., Thomson, K. L., Petersen, S. E., Xu, X., Waring, A., Ormondroyd, E., Kramer, C. M., Ho, C. Y., Neubauer, S., Tadros, R., Ware, et al
2021; 53 (2): 135-+
- **Meta-Analysis of New-Onset Atrial Fibrillation Versus No History of Atrial Fibrillation in Patients With Noncardiac Critical Care Illness.** *The American journal of cardiology*
Shah, K. B., Saado, J., Kerwin, M., Mazimba, S., Kwon, Y., Mangrum, J. M., Salerno, M., Haines, D. E., Mehta, N. K.
2021
- **Cost-effectiveness Analysis of Anatomic vs Functional Index Testing in Patients With Low-Risk Stable Chest Pain** *JAMA NETWORK OPEN*
Karady, J., Mayrhofer, T., Ivanov, A., Foldyna, B., Lu, M. T., Ferencik, M., Pursnani, A., Salerno, M., Udelson, J. E., Mark, D. B., Douglas, P. S., Hoffmann, U.
2020; 3 (12): e2028312
- **Reference ranges ("normal values") for cardiovascular magnetic resonance (CMR) in adults and children: 2020 update** *JOURNAL OF CARDIOVASCULAR MAGNETIC RESONANCE*
Kawel-Boehm, N., Hetzel, S. J., Ambale-Venkatesh, B., Captur, G., Francois, C. J., Jerosch-Herold, M., Salerno, M., Teague, S. D., Valsangiacomo-Buechel, E., Van der Geest, R. J., Bluemke, D. A.
2020; 22 (1): 87
- **Free-Breathing and Ungated Dynamic MRI Using Navigator-Less Spiral STORM** *IEEE TRANSACTIONS ON MEDICAL IMAGING*
Ahmed, A., Zhou, R., Yang, Y., Nagpal, P., Salerno, M., Jacob, M.
2020; 39 (12): 3933-3943
- **CMR in the Era of COVID-19 Evaluation of Myocarditis in the Subacute Phase** *JACC-CARDIOVASCULAR IMAGING*
Salerno, M., Kwong, R. Y.
2020; 13 (11): 2340-2342
- **Coronary Computed Tomography Angiography Demonstrates a High Burden of Coronary Artery Disease Despite Low-Risk Nuclear Studies in Pre-Liver Transplant Evaluation** *LIVER TRANSPLANTATION*
Loeffler, A. I., Gonzalez, J. A., Sundararaman, S. K., Mathew, R. C., Norton, P. T., Hagspiel, K. D., Kramer, C. M., Ragosta, M., Rogers, C., Shah, N. L., Salerno, M.

2020; 26 (11): 1398-1408

- **T2 Relaxation Times at Cardiac MRI in Healthy Adults: A Systematic Review and Meta-Analysis** *RADIOLOGY*
Hanson, C. A., Kamath, A., Gottbrecht, M., Ibrahim, S., Salerno, M.
2020; 297 (2): 344-351
- **Society for Cardiovascular Magnetic Resonance (SCMR) guidance for re-activation of cardiovascular magnetic resonance practice after peak phase of the COVID-19 pandemic** *JOURNAL OF CARDIOVASCULAR MAGNETIC RESONANCE*
Allen, B. D., Wong, T. C., Bucciarelli-Ducci, C., Bryant, J., Chen, T., Dall'Armellina, E., Finn, J., Fontana, M., Francone, M., Han, Y., Hays, A. G., Jacob, R., Lawton, et al
2020; 22 (1): 58
- **New-onset atrial fibrillation and outcomes following isolated coronary artery bypass surgery: A systematic review and meta-analysis** *CLINICAL CARDIOLOGY*
Kerwin, M., Saado, J., Pan, J., Ailawadi, G., Mazimba, S., Salerno, M., Mehta, N.
2020; 43 (9): 928-934
- **Cardiovascular Imaging Techniques to Assess Microvascular Dysfunction 0 EBAC'** *JACC-CARDIOVASCULAR IMAGING*
Mathew, R. C., Bourque, J. M., Salerno, M., Kramer, C. M.
2020; 13 (7): 1577-1590
- **Reevaluation of the South Asian MYBPC3(Delta 25bp) Intronic Deletion in Hypertrophic Cardiomyopathy** *CIRCULATION-GENOMIC AND PRECISION MEDICINE*
Harper, A. R., Bowman, M., Hayesmoore, J. G., Sage, H., Salatino, S., Blair, E., Campbell, C., Currie, B., Goel, A., McGuire, K., Ormondroyd, E., Sergeant, K., Waring, et al
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