



Michael Salerno

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

CLINICAL OFFICES

- **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

HONORS AND AWARDS

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

PROFESSIONAL EDUCATION

- Board Certification, Certification Board of Cardiovascular CT , Cardiovascular CT (2021)
- Board Certification: Nuclear Cardiology, Certification Board of Nuclear Cardiology (2010)
- Board Certification: Adult Comprehensive Echocardiography, National Board of Echocardiography (2010)
- 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

Shen Zhao

Postdoctoral Research Mentor

Shen Zhao

Publications

PUBLICATIONS

- **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., Chandrashekhar, Y.
2022; 15 (1): 177-179
- **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., Lukaschuk, 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 AsianMYBPC3(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
2020; 13 (3): 101-109
- **Off-label Use of Direct Oral Anticoagulants Compared With Warfarin for Left Ventricular Thrombi** *JAMA CARDIOLOGY*
Robinson, A. A., Trankle, C. R., Eubanks, G., Schumann, C., Thompson, P., Wallace, R. L., Gottiparthi, S., Ruth, B., Kramer, C. M., Salerno, M., Bilchick, K. C., Deen, C., Kontos, et al
2020; 5 (6): 685-692
- **Native T1 Mapping, Extracellular Volume Mapping, and Late Gadolinium Enhancement in Cardiac Amyloidosis** *JACC-CARDIOVASCULAR IMAGING*
Pan, J. A., Kerwin, M. J., Salerno, M.
2020; 13 (6): 1299-1310
- **T-1 mapping performance and measurement repeatability: results from the multi-national T-1 mapping standardization phantom program (TIMES)** *JOURNAL OF CARDIOVASCULAR MAGNETIC RESONANCE*
Captur, G., Bhandari, A., Bruehl, R., Ittermann, B., Keenan, K. E., Yang, Y., Eames, R. J., Benedetti, G., Torlasco, C., Ricketts, L., Boubertakh, R., Fatih, N., Greenwood, et al
2020; 22 (1): 31
- **Machine learning based quantification of ejection and filling parameters by fully automated dynamic measurement of left ventricular volumes from cardiac magnetic resonance images** *MAGNETIC RESONANCE IMAGING*
Goyal, N., Mor-Avi, V., Volpato, V., Narang, A., Wang, S., Salerno, M., Lang, R. M., Patel, A. R.
2020; 67: 28-32
- **MECHANISMS OF LEFT VENTRICULAR REMODELING AFTER CARDIAC RESYNCHRONIZATION THERAPY BASED ON POST DEVICE CARDIAC MAGNETIC RESONANCE IMAGING**
Gao, X., Abdishektai, M., Sun, C., Auger, D., Mazimba, S., Salerno, M., Epstein, F., Kramer, C., Bilchick, K. C.
ELSEVIER SCIENCE INC.2020: 1825
- **CIRCULATING FIBROCYTE LEVEL AS A MARKER OF MYOCARDIAL FIBROSIS FOLLOWING ACUTE ST ELEVATION MYOCARDIAL INFARCTION**
Elzeneini, M., Peters, A., Burdick, M., Yang, N., Mehrad, B., Salerno, M., Keeley, E.
ELSEVIER SCIENCE INC.2020: 188
- **Multimodality Cardiovascular Imaging in the Midst of the COVID-19 Pandemic: Ramping Up Safely to a New Normal.** *JACC. Cardiovascular imaging*
Zoghbi, W. A., DiCarli, M. F., Blankstein, R. n., Choi, A. D., Dilsizian, V. n., Flachskampf, F. A., Geske, J. B., Grayburn, P. A., Jaffer, F. A., Kwong, R. Y., Leipsic, J. A., Marwick, T. H., Nagel, et al
2020; 13 (7): 1615-26
- **A MYOCARDIAL T1-MAPPING FRAMEWORK WITH RECURRENT AND U-NET CONVOLUTIONAL NEURAL NETWORKS**
Jeelani, H., Yang, Y., Zhou, R., Kramer, C. M., Salerno, M., Weller, D. S., IEEE
IEEE.2020: 1941-1944
- **Severe combined cardiac and neuromuscular toxicity from immune checkpoint blockade: an institutional case series.** *Cardio-oncology (London, England)*
Arora, P., Talamo, L., Dillon, P., Gentzler, R. D., Millard, T., Salerno, M., Slingluff, C. L., Gaughan, E. M.
2020; 6: 21
- **Cardiac Imaging in the Post-ISCHEMIA Trial Era: A Multisociety Viewpoint.** *JACC. Cardiovascular imaging*
Shaw, L. n., Kwong, R. Y., Nagel, E. n., Salerno, M. n., Jaffer, F. n., Blankstein, R. n., Dilsizian, V. n., Flachskampf, F. n., Grayburn, P. n., Leipsic, J. n., Marwick, T. n., Nieman, K. n., Raman, et al
2020; 13 (8): 1815-33
- **Frequency of Coronary Microvascular Dysfunction and Diffuse Myocardial Fibrosis (Measured by Cardiovascular Magnetic Resonance) in Patients With Heart Failure and Preserved Left Ventricular Ejection Fraction** *AMERICAN JOURNAL OF CARDIOLOGY*

- Loffler, A., Pan, J. A., Balfour, P. C., Shaw, P. W., Yang, Y., Nasir, M., Auger, D. A., Epstein, F. H., Kramer, C. M., Gan, L., Salerno, M.
2019; 124 (10): 1584-1589
- **Distinct Subgroups in Hypertrophic Cardiomyopathy in the NHLBI HCM Registry** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Neubauer, S., Kolm, P., Ho, C. Y., Kwong, R. Y., Desai, M. Y., Dolman, S. F., Appelbaum, E., Desvigne-Nickens, P., DiMarco, J. P., Friedrich, M. G., Geller, N., Harper, A. R., Jarolim, et al
2019; 74 (19): 2333-2345
 - **Myocardial T1 and ECV Measurement Underlying Concepts and Technical Considerations** *JACC-CARDIOVASCULAR IMAGING*
Robinson, A. A., Chow, K., Salerno, M.
2019; 12 (11): 2332-2344
 - **Inline Quantitative Myocardial Perfusion by CMR Coming Online Soon?** *JACC-CARDIOVASCULAR IMAGING*
Salerno, M.
2019; 12 (10): 1970-1972
 - **Non-Cartesian slice-GRAPPA and slice-SPIRiT reconstruction methods for multiband spiral cardiac MRI** *MAGNETIC RESONANCE IN MEDICINE*
Sun, C., Yang, Y., Cai, X., Salerno, M., Meyer, C. H., Weller, D., Epstein, F. H.
2020; 83 (4): 1235-1249
 - **Free-breathing cine imaging with motion-corrected reconstruction at 3T using SPiral Acquisition with Respiratory correction and Cardiac Self-gating (SPARCS)** *MAGNETIC RESONANCE IN MEDICINE*
Zhou, R., Yang, Y., Mathew, R. C., Mugler, J. P., Weller, D. S., Kramer, C. M., Ahmed, A., Jacob, M., Salerno, M.
2019; 82 (2): 706-720
 - **Cardiac MRI Endpoints in Myocardial Infarction Experimental and Clinical Trials JACC Scientific Expert Panel** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Ibanez, B., Aletras, A. H., Arai, A. E., Arheden, H., Bax, J., Berry, C., Bucciarelli-Ducci, C., Croisille, P., Dall'Armellina, E., Dharmakumar, R., Eitel, I., Fernandez-Jimenez, R., Friedrich, et al
2019; 74 (2): 238-256
 - **Venoarterial extracorporeal membrane oxygenation for acute massive pulmonary embolism: a systematic review and pooled analysis**
Kaso, E., Salerno, M., Kennedy, J., Mazimba, S., Kadl, A., Mihalek, A., Haskal, Z., Teman, N., Sharma, A.
SAGE PUBLICATIONS LTD.2019: 280-281
 - **HYBRID SURGICAL AND PERCUTANEOUS CORONARY INTERVENTION OF A GIANT CORONARY ARTERY ANEURYSM**
McNair, P., Robinson, A., Ragosta, M., Ailawadi, G., Salerno, M.
ELSEVIER SCIENCE INC.2019: 2151
 - **CARDIAC MAGNETIC RESONANCE AFTER CRT DEMONSTRATES DISCORDANT EFFECTS ON RIGHT AND LEFT VENTRICULAR FUNCTION**
Gao, X., Narayan, A., Fuller, D., Salerno, M., Kramer, C., Epstein, F., Bilchick, K.
ELSEVIER SCIENCE INC.2019: 1580
 - **Contemporary Issues in Quantitative Myocardial Perfusion CMR Imaging** *CURRENT CARDIOVASCULAR IMAGING REPORTS*
Robinson, A. A., Salerno, M., Kramer, C. M.
2019; 12 (3)
 - **Native T1 and Extracellular Volume Measurements by Cardiac MRI in Healthy Adults: A Meta-Analysis** *RADIOLOGY*
Gottbirt, M., Kramer, C. M., Salerno, M.
2019; 290 (2): 317-326
 - **Whole-heart spiral simultaneous multi-slice first-pass myocardial perfusion imaging** *MAGNETIC RESONANCE IN MEDICINE*
Yang, Y., Meyer, C. H., Epstein, F. H., Kramer, C. M., Salerno, M.
2019; 81 (2): 852-862
 - **Extracellular volume by cardiac magnetic resonance is associated with biomarkers of inflammation in hypertensive heart disease** *JOURNAL OF HYPERTENSION*
Pan, J. A., Michaelsson, E., Shaw, P. W., Kuruvilla, S., Kramer, C. M., Gan, L., Keeley, E. C., Salerno, M.
2019; 37 (1): 65-72

- **Cardiac MRI for the evaluation of oncologic cardiotoxicity** *JOURNAL OF NUCLEAR CARDIOLOGY*
Loffler, A. I., Salerno, M.
2018; 25 (6): 2148-2158
- **Role of Cardiac Magnetic Resonance Imaging in Valvular Heart Disease: Diagnosis, Assessment, and Management** *CURRENT CARDIOLOGY REPORTS*
Mathew, R. C., Loffler, A. I., Salerno, M.
2018; 20 (11): 119
- **Content-aware compressive magnetic resonance image reconstruction** *MAGNETIC RESONANCE IMAGING*
Weller, D. S., Salerno, M., Meyer, C. H.
2018; 52: 118-130
- **Risk Stratification in Nonischemic Dilated Cardiomyopathy in the Era of Personalized Medicine Can Cardiac Magnetic Resonance With Late Gadolinium Imaging "Enhance" Our Strategy?** *JACC-CARDIOVASCULAR IMAGING*
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