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CURRICULUM VITAE

Jason C. Rubenstein MD

Associate Professor
Department of Medicine
Division of Cardiology

OFFICE ADDRESS:
Hub for Collaborative Medicine
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Milwaukee, WI 53226

ADMINISTRATIVE APPOINTMENTS:
2010 - 2013 Cardiology Grand Rounds Committee
2010 - Present Co-Director, Cardiac MRI Program, Radiology
2011 - Present Information Technology Committee, Medicine
2012 - Present Faculty Information Technology Committee, Medical College of Wisconsin
2013 - Present Director, Ventricular Tachycardia Symposium

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:
2013 - Present Electrophysiology Fellowship Assistant Director, Medical College of Wisconsin

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:
2012 - Present Credentialing Committee, Froedtert Hospital

SPECIALTY BOARDS AND CERTIFICATION:

Board Certified	Issue Date	Expiration
Cardiovascular Disease	2007	2027
Cardiac Electrophysiology	2009	2019

AWARDS AND HONORS:
2001 - Present Alpha Omega Alpha, University of Illinois
2006 - Present Melvin Judkins Young Investigator Finalist, American Heart Association
2006 - Present Cardiovascular Young Investigator Finalist, Northwestern University

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:
2004 - Present American Heart Association
2004 - Present American College of Cardiology (Fellow)
2008 - Present Heart Rhythm Society (Fellow)
2010 - Present Society of Cardiovascular MRI

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Electrophysiology, CRT, and ICD Outcomes Review
Role:	Principal Investigator
Dates:	2010 - Present

Title:	Fragmented QRS Complexes on 12 leads ECG Represents Myocardial Scars on Cardiac MRI
Role:	Principal Investigator
Dates:	2011 - Present
Title:	Validation of the Durability of the Adenosine Effect in Verification of Pulmonary Vein Isolation
Role:	Investigator
Dates:	2012 - Present
Title:	MagnaSafe Registry: Determining the Risks of MRI in the Presence of Pacemakers and Implantable Cardioverter Defibrillators
Source:	Scripps Clinic
Role:	Investigator
Dates:	2013 - Present

Prior

Peer Review

Title:	Reprogramming skin fibroblasts to study the genetics of long QT syndrome
Role:	Investigator

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

International

Rubenstein J, Goldberger J, Ortiz JT, Kadish A, Passman R, Bonow RO, Wu E., The Use of Contrast-Enhanced Cardiac Magnetic Resonance Imaging after Acute Myocardial Infarction for Prediction of Future Ventricular Dysfunction and ICD Implantation Qualification, The American Heart Association Scientific Sessions, Chicago, Illinois, 11/2006

Rubenstein JC, Lee DC, Wu E, Kadish A, Passman R, Goldberger J, The Prediction of Ventricular Tachyarrhythmia Inducibility by Quantification of the Peri-Infarct Border Zone by Delayed-Enhancement Cardiac MRI, Society for Cardiovascular Magnetic Resonance Annual Scientific Sessions, Rome, Italy, 02/2007

Rubenstein JC, Wu E, Jacobson JT, Radiofrequency Ablation Lesions Demonstrated by Magnetic Resonance, Heart Rhythm Scientific Sessions,, San Francisco, California, 05/2008

Rubenstein JC, Lee DC, Wu E, Kadish A, Passman R, Goldberger J, A Comparison of Cardiac MRI Peri-Infarct Border Zone Quantification Strategies for the Prediction of Ventricular Tachyarrhythmia Inducibility, The American Heart Association Scientific Sessions, New Orleans, Louisiana, 11/2008

Rubenstein JC, Kim MH, Morady F, Strickberger AS, The relationship between defibrillation threshold and total mortality, Heart Rhythm Scientific Sessions, Boston, Massachusetts, 05/2012

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. **Rubenstein JC**, Silverstein JC, Panko WB. Limitations of distributed segmentation for three-dimensional radiological modeling. Stud Health Technol Inform. 1999;62:308-14.
2. **Rubenstein JC**, Ortiz JT, Wu E, Kadish A, Passman R, Bonow RO, Goldberger JJ. The use of periinfarct contrast-enhanced cardiac magnetic resonance imaging for the prediction of late postmyocardial infarction ventricular dysfunction. Am Heart J. 2008 Sep;156(3):498-505.
3. Wang NC, **Rubenstein JC**, Ilkhanoff L, Flaherty JD, Jacobson JT. Veiled villain. Am J Med. 2008

Oct;121(10):864-7.
4. **Rubenstein JC**, Kim MH, Jacobson JT. A novel method for sinus node modification and phrenic nerve protection in resistant cases. J Cardiovasc Electrophysiol. 2009 Jun;20(6):689-91.
5. Kadish AH, **Rubenstein JC**. Connecting the dots: the relevance of scar in nonischemic cardiomyopathy. J Am Coll Cardiol. 2009 Mar 31;53(13):1146-7. PMCID: PMC2727716
6. **Rubenstein JC**, Freher M, Kadish A, Goldberger JJ. Diurnal heart rate patterns in inappropriate sinus tachycardia. Pacing Clin Electrophysiol. 2010 Aug;33(8):911-9.
7. **Rubenstein JC**, Roth JA. Atrioventricular junction ablation and pacemaker implantation for heart failure associated with atrial fibrillation: potential issues and therapies in the setting of acute heart failure syndrome. Heart Fail Rev. 2011 Sep;16(5):457-65.
8. von Ballmoos MC, Masroor S, Murtaza G, Franco J, Gasparri M, **Rubenstein JC**. Epicardial lymphoproliferative disease involving the coronary arteries. J Am Coll Cardiol. 2011 Oct 18;58(17):1825.
9. **Rubenstein JC**, Lee DC, Wu E, Kadish AH, Passman R, Bello D, Goldberger JJ. A comparison of cardiac magnetic resonance imaging peri-infarct border zone quantification strategies for the prediction of ventricular tachyarrhythmia inducibility. Cardiol J. 2013;20(1):68-77.
10. **Rubenstein JC**, Gutterman DD. A new application for CPAP in preventing atrial fibrillation. Chest. 2013 May;143(5):1198-1199.
11. **Rubenstein JC**, Gupta MS, Kim MH. Effectiveness of VF induction with DC fibber versus conventional induction methods in patients on chronic amiodarone therapy. J Interv Card Electrophysiol. 2013 Nov;38(2):137-41.
12. **Rubenstein JC**, Kim MH, Morady F, Strickberger SA. The relationship between defibrillation threshold and total mortality. J Interv Card Electrophysiol. 2013 Dec;38(3):203-8.
13. Russo RJ, Costa HS, Silva PD, Anderson JL, Arshad A, Biederman RW, Boyle NG, Frabizzio JV, Birgersdotter-Green U, Higgins SL, Lampert R, Machado CE, Martin ET, Rivard AL, **Rubenstein JC**, Schaerf RH, Schwartz JD, Shah DJ, Tomassoni GF, Tominaga GT, Tonkin AE, Uretsky S, Wolff SD. Assessing the Risks Associated with MRI in Patients with a Pacemaker or Defibrillator. N Engl J Med. 2017 Feb 23;376(8):755-764.
14. **Rubenstein JC**, Cinquegrani MP, Wright J. Atrial Fibrillation in Acute Coronary Syndrome. J Atr Fibrillation. 2012;5(1):551. PMCID: PMC5153085
15. Tyagi S, Curley M, Berger M, Fox J, Strath SJ, Rubenstein J, Roth J, Widlansky ME. Pacemaker Quantified Physical Activity Predicts All-Cause Mortality. J Am Coll Cardiol. 2015 Aug 11;66(6):754-5.
16. Baruah D, Rubenstein J, Shahir K. 'Coronary wrap': IgG4 related disease of coronary artery presenting as a mass lesion. Int J Cardiovasc Imaging. 2014 Jun;30(5):977-8.
17. Curley M, Berger M, Roth J, Benjamin I, Rubenstein J. Predictors of mortality and major in-hospital adverse events associated with electrophysiology catheter ablation. JAMA Intern Med. 2014 May;174(5):815-7.
18. **Rubenstein JC**, Cinquegrani MP, Wright J. Atrial fibrillation in acute coronary syndrome Journal of Atrial Fibrillation. June 2012;2(11).
19. Rubenstein J, Kadish A. Three-dimensional image integration: a first experience with guidance of atrial fibrillation ablations. J Cardiovasc Electrophysiol. 2006 May;17(5):467-8.
20. Kapoor R, Tyagi S, Dohmen C, Oujiri J, Roth J, **Rubenstein JC**, Berger M. Tachyarrhythmia discriminator for implantable cardioverter-defibrillators in bundle branch block. Heart Rhythm. 2020 Sep;17(9):1561-1565.
21. Ibrahim EH, Baruah D, Budde M, Rubenstein J, Frei A, Schlaak R, Gore E, Bergom C. Optimized cardiac functional MRI of small-animal models of cancer radiation therapy. Magn Reson Imaging. 2020 Nov;73:130-137. PMCID: PMC7530081
22. Ibrahim ESH, Baruah D, Croisille P, Stojanovska J, **Rubenstein JC**, Frei A, Schlaak RA, Lin CY, Pipke JL, Lemke A, Xu Z, Klaas A, Brehler M, Flister MJ, Laviolette PS, Gore EM, Bergom C. Cardiac Magnetic Resonance for Early Detection of Radiation Therapy-Induced Cardiotoxicity in a Small Animal Model JACC: CardioOncology. March 2021;3(1):113-130.
23. Bergom C, Rubenstein J, Wilson JF, Welsh A, Ibrahim ESH, Prior P, Schottstaedt AM, Eastwood D, Zhang MJ, Currey A, Puckett L, Strande JL, Bradley JA, White J. A Pilot Study of Cardiac MRI in Breast Cancer Survivors After Cardiotoxic Chemotherapy and Three-Dimensional Conformal Radiotherapy Frontiers in Oncology. 16 October 2020;10.
24. Sancaktar O, Shahir K, Baruah D, Welsh AC, Rubenstein J. Abnormal myocardial T1 mapping of hypertrophic cardiomyopathy in areas without delayed enhancement, as compared to NICM and

controls at both 1.5 and 3T Journal of Cardiovascular Magnetic Resonance. 2016;18:1-2.
25. **Rubenstein JC**, Silverstein JC, Panko WB. Limitations of distributed segmentation for three-dimensional radiological modeling Studies in Health Technology and Informatics. 1999;62:308-314.
26. Silverstein J, Rubenstein J, Millman A, Panko W. Web-based segmentation and display of three-dimensional radiologic image data. Stud Health Technol Inform. 1998;50:53-9.
27. Ibrahim EH, Frank L, Baruah D, Arpinar VE, Nencka AS, Koch KM, Muftuler LT, Unal O, Stojanovska J, **Rubenstein JC**, Brown SA, Charlson J, Gore EM, Bergom C. Value CMR: Towards a Comprehensive, Rapid, Cost-Effective Cardiovascular Magnetic Resonance Imaging. Int J Biomed Imaging. 2021;2021:8851958. PMCID: PMC8147553
28. Ibrahim EH, Baruah D, Croisille P, Stojanovska J, **Rubenstein JC**, Frei A, Schlaak RA, Lin CY, Pipke JL, Lemke A, Xu Z, Klaas A, Brehler M, Flister MJ, Laviolette PS, Gore EM, Bergom C. Cardiac Magnetic Resonance for Early Detection of Radiation Therapy-Induced Cardiotoxicity in a Small Animal Model. JACC CardioOncol. 2021 Mar;3(1):113-130. PMCID: PMC8078846
29. Brown SA, Zaharova S, Mason P, Thompson J, Thapa B, Ishizawar D, Wilkes E, Ahmed G, Rubenstein J, Sanchez J, Joyce D, Kalyanaraman B, Widlansky M. Pandemic Perspective: Commonalities Between COVID-19 and Cardio-Oncology. Front Cardiovasc Med. 2020;7:568720. PMCID: PMC7746643
30. Sommers N, Berger M, **Rubenstein JC**, Roth J, Pan A, Thompson C, Widlansky ME. Onset of the COVID-19 pandemic reduced active time in patients with implanted cardiac devices. Eur Rev Aging Phys Act. 2022 Nov 02;19(1):26. PMCID: PMC9628136
31. Puzyrenko A, Jacobs ER, Padilla N, Devine A, Aljadah M, Gantner BN, Pan AY, Lai S, Dai Q, **Rubenstein JC**, North PE, Simpson PM, Willoughby RE, O'Meara CC, Flinn MA, Lough JW, Ibrahim EH, Zheng Z, Sun Y, Felix J, Hunt BC, Ross G, Rui H, Benjamin IJ. Collagen-Specific HSP47⁺ Myofibroblasts and CD163⁺ Macrophages Identify Profibrotic Phenotypes in Deceased Hearts With SARS-CoV-2 Infections. J Am Heart Assoc. 2023 Feb 21;12(4):e027990. PMCID: PMC10111490
32. Jacobs ER, Ross GR, Padilla N, Pan AY, Liegl M, Puzyrenko A, Lai S, Dai Q, Uche N, **Rubenstein JC**, North PE, Ibrahim EH, Sun Y, Felix JC, Rui H, Benjamin IJ. Profibrotic COVID-19 subphenotype exhibits enhanced localized ER-dependent HSP47⁺ expression in cardiac myofibroblasts in situ. J Mol Cell Cardiol. 2023 Dec;185:1-12.
33. Schottstaedt AM, Paulson ES, **Rubenstein JC**, Chen X, Omari EA, Li XA, Schultz CJ, Puckett LL, Robinson CG, Alongi F, Gore EM, Hall WA. Development of a comprehensive cardiac atlas on a 1.5 Tesla Magnetic Resonance Linear Accelerator Physics and Imaging in Radiation Oncology. October 2023;28.
34. Schottstaedt AM, Paulson ES, **Rubenstein JC**, Chen X, Omari EA, Li XA, Schultz CJ, Puckett LL, Robinson CG, Alongi F, Gore EM, Hall WA. Development of a comprehensive cardiac atlas on a 1.5 Tesla Magnetic Resonance Linear Accelerator. Phys Imaging Radiat Oncol. 2023 Oct;28:100504. PMCID: PMC10682663
35. Thounlasenh KJ, Prost RW, Rubenstein J. Experience with cardiac MR imaging of patients with legacy ICDs or pacemakers Journal of Cardiovascular Magnetic Resonance. 30 January 2013;15.