CURRICULUM VITAE

Todd <u>Jeffrey Brinton</u>

Todd Sciffey Brinton

EDUCATION

Doctor of Medicine Chicago Medical School North Chicago, IL	07/1996-06/2000
Bachelor of Science – Biomedical Engineering University of California, San Diego La Jolla, CA	09/1987-12/1992
PROFESSIONAL EXPERIENCE	
Chief Scientific Officer Corporate Vice President Advanced Technology Edwards Lifesciences Irvine, CA	02/2019-Present
Co-Founder & Board Director Jump Medical, Inc. Palo Alto, CA	01/2016-01/2019
Partner Hi Jump Health, LLC Palo Alto, CA	01/2016-01/2019
Co-Founder, Chief Medical Officer & Board Director Shockwave Medical, Inc. Fremont, CA	07/2009-12/2018
Co-Founder & Board Director BioParadox, Inc. Menlo Park, CA	02/2008-12/2017
Board Director QooL Therapeutics Menlo Park, CA	09/2013-02/2016
Board Director Infogard Laboratories (Acquired by Underwriter Laboratories) San Luis Obispo, CA	10/2007-12/2015

Chief Medical Officer Kona Medical, Inc. Bellevue, WA	07/2008-08/2013
Clinical Research Director Pulse Metric, Inc. San Diego, CA	08/1995-07/1996
Clinical Research Coordinator Pulse Metric, Inc. San Diego, CA	01/1993-07/1995
Biomedical Engineer Pulse Metric, Inc. San Diego, CA	09/1991-12/1992
<u>UNIVERSITY APPOINTMENTS</u>	
Adjunct Professor of Medicine (Cardiology) Stanford University School of Medicine	07/2019-Present
Clinical Professor of Medicine (Cardiology) Stanford University School of Medicine Stanford, CA	04/2017-06/2019
Adjunct Professor of Bioengineering Stanford University School of Engineering Stanford, CA	04/2016-06/2019
Clinical Associate Professor of Medicine (Cardiology) Stanford University School of Medicine Stanford, CA	04/2012-03/2017
Consulting Associate Professor of Bioengineering Stanford University School of Engineering Stanford, CA	04/2014-03/2016
Clinical Assistant Professor of Medicine (Cardiology) Stanford University School of Medicine Stanford, CA	04/2009-03/2012
Instructor of Medicine (Cardiology) Stanford University School of Medicine Stanford, CA	07/2007-03/2009

Lecturer in Bioengineering Stanford University School of Engineering Stanford, CA	07/2006-03/2014
CLINICAL APPOINTMENTS	
Staff Cardiologist, Interventional Cardiology Stanford University Medical Center Stanford, CA	07/2007-01/2019
Staff Physician, Interventional Cardiovascular Services Veterans' Administration Palo Alto Hospital Palo Alto, CA	07/2006-01/2019
NON-CLINICAL APPOINTMENTS	
Senior Advisor Stanford Byers Center for Biodesign Stanford, CA	07/2019-Present
Co-Director, Biodesign Executive Education Program Stanford Byers Center for Biodesign Stanford, CA	02/2013-06/2019
Director, Innovation Fellowship Programs Stanford Byers Center for Biodesign Stanford, CA	04/2007-06/2019
Co-Director, Biodesign Innovation Courses (MED 272A, 272B) Stanford Byers Center for Biodesign Stanford, CA	07/2006-06/2019
LICENSURE AND CERTIFICATION	
American Board-Interventional Cardiology (certified) American Board-Cardiovascular Disease (certified) American Board- Internal Medicine (certified) California License Registration National Board of Medical Examiners	11/2028 11/2007 10/2003 07/2001 07/2000
POSTDOCTORAL TRAINING	
Advanced Research Fellow Stanford School of Medicine Stanford, CA	07/2006-06/2007

Interventional Cardiology Fellow Stanford Hospital & Clinics Stanford, CA	07/2005-06/2006
Chief Fellow-Cardiovascular Medicine Stanford Hospital & Clinics Stanford, CA	07/2004-06/2005
Biodesign Fellow Stanford Byers Center for Biodesign Stanford, CA	07/2004-06/2005
Clinical Fellow-Cardiovascular Medicine Stanford Hospital & Clinics Stanford, CA	07/2002-06/2006
Internal Medicine Intern & Resident Stanford Hospital & Clinics Stanford, CA	06/2000-06/2002

HONORS AND ACTIVITES

Transcatheter Cardiovascular Therapeutics Innovation Award	2014
NCIIA Olympus Innovation Award Finalist	2010
Stanford CV Institute Young Investigator, Runner Up	2007
Stanford University Outstanding Clinical Cardiology Fellow	2004
Stanford University Franklin G. Ebaugh Jr. Award for Research	2002
Chicago Medical School Board of Trustees Scholarship Award	2000
Chicago Medical School Deans Award	2000
Alpha Omega Alpha Medical Honor Society, Junior Year Inductee	1999
Joseph Collins Foundation Scholarship	1999
ASCP, Award for Academic Excellence and Achievement	1998

PROFESSIONAL ORGANIZATIONS

Fellow-American College of Cardiology, 2010 Fellow-Society of Cardiovascular Angiography and Intervention, 2010 American Heart Association Clinical Cardiology Council Alpha Omega Alpha Medical Honor Society

COMMITTEES

Internal	Com	mittags
Interna	COIII	mnuees

Precision Health Committee	2015-2017
Spectrum Grant Committee	2010-2016

INVITED PRESENTATIONS

- 1. **Brinton TJ**. The Development and Validation of a New Non-Invasive Method to Derive Arterial Pressure Waveforms and Vascular Compliance. Presented at the Cardiology Research Conference, UCSD, San Diego, CA, December 1995.
- 2. **Brinton TJ**. Pulse Dynamic Non-invasive Arterial Waveform Analysis: Methods and Clinical Applications. Presented at the Symposium on Non-invasive Arterial Waveform Analysis and Ambulatory Blood Pressure Monitoring. Republic of China Society of Cardiology. Taipei, Taiwan ROC, March 1996.
- 3. **Brinton TJ**. A New Technology to Determine Circadian Blood Pressure and Arterial Compliance Variations during Ambulatory Monitoring. Presented at the Italian Society of Chronobiology, Milan, Italy, May 1996.
- 4. **Brinton TJ**. The Development of Pulse Dynamics Technology. Presented at Taiwan Society of Cardiology. Taipei, Taiwan ROC August 2001.
- 5. **Brinton TJ**. Approaches to reducing the risk of embolic events during diagnostic coronary angiography. Presented at Cardiology Grand Rounds, Stanford University, Stanford, CA 2002.
- 6. **Brinton TJ**. Cardiovascular Manifestations of Systemic Amyloidosis. Presented at Cardiology Grand Rounds. Stanford University, Stanford, CA May 2003.
- 7. **Brinton TJ**. New Technologies for Distal Embolic Protection. Presented at Cardiology Grand Rounds. Stanford University Stanford, CA September 2003.
- 8. **Brinton TJ**. New Technologies for gene, protein, and cellular cardiomyoplasty. Presented at the Guidant Cardiovascular Lecture Series. Guidant Corporation, Sunnyvale, CA November 2004.
- 9. **Brinton TJ.** Guidelines for treatment of patients with Acute Coronary Syndrome. Presented at Medicine Grand Rounds. O'Connor Community Hospital, San Jose, CA June 2005.
- 10. **Brinton TJ.** Retrograde Venous Delivery: Methods and Applications. Presented at the Second International Meeting on Stem Cell Therapy in Cardiovascular Disease. New York, NY 2006.
- 11. **Brinton TJ.** Update on the Management of Acute Coronary Syndrome. Presented at Medicine Grand Rounds. O'Connor Community Hospital. San Jose, CA May 2006.
- 12. **Brinton TJ.** Drug Eluting Stents-Real World Outcomes. Presented at "Best of ACC 2006". San Francisco, CA May 2006.
- 13. **Brinton TJ.** Delivery and Tracking of Stem Cells for Myocardial Restoration. Presented at Medtronic Lecture Series. Santa Rosa, CA September 2006.
- Brinton TJ. Retrograde Venous Delivery: Clinical Applications. Presented at Transcatheter Cardiovascular Therapeutics September 2006. Washington D.C
- 15. **Brinton TJ.** Retrograde Venous Delivery: Methods and Applications. Presented at the Third International Meeting on Stem Cell Therapy in Cardiovascular Disease. New York, NY January 2007.
- 16. **Brinton TJ.** Stem Cell Delivery for Myocardial Restoration. Presented at Cardiology Grand Rounds. California Pacific Medical Center San Francisco, CA March 2007.
- 17. **Brinton TJ.** Cardiovascular Innovation. Presented at Abbott Vascular Quarterly Update. Redwood City, CA July 2007.

- 18. **Brinton TJ.** Current State of Cell Therapy for CHF. Presented at the 2nd Annual Physician Symposium Series. Half Moon Bay, CA September 2007
- 19. **Brinton TJ.** Cell Therapy for CAD & CHF? Presented at the 2nd Annual Cardiology for the Internist. Stanford, CA September 2007.
- Brinton TJ. In-Vivo Models for Cell Therapy. Presented at the Fourth International Meeting on Stem Cell Therapy in Cardiovascular Disease. New York, NY January 2008.
- 21. **Brinton TJ.** Retrograde Venous Delivery: Update on the Method and Clinical Strategy. Presented at Transcatheter Cardiovascular Therapeutics Washington DC September 2008.
- 22. **Brinton TJ.** Stem Cell Therapy for Myocardial Restoration: Tracking Delivery and Survival. Presented at the Fifth International Meeting on Stem Cell Therapy in Cardiovascular Disease. New York, NY January 2009.
- 23. **Brinton TJ**. The DNA of an Invention: Creating a Needs Statement. The Biodesign Innovation Workshop. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2009.
- 24. **Brinton TJ**. Digging In: Creating a Need Statement. The Biodesign Innovation Workshop. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2009.
- 25. **Brinton TJ**. Techniques for Myocardial Stem Cell Therapy. Presented at the Sixth International Meeting on Stem Cell Therapy in Cardiovascular Disease. New York, NY January 2010.
- 26. **Brinton TJ.** Can Innovation be learned? Presented at the Society of Interventional Radiology. Tampa, FL March 2010
- 27. **Brinton TJ**. Innovation is "Alive and Well" in Interventional Cardiovascular Medicine: Introducing the Stanford Biodesign Model. Presented at Transcatheter Cardiovascular Therapeutics. Washington, DC September 2010.
- 28. **Brinton TJ.** The DNA of an Invention: Creating a Needs Statement. The Biodesign Innovation Workshop. Presented at Transcatheter Cardiovascular Therapeutics. Washington, DC December 2010.
- 29. **Brinton TJ.** A Shifting the Biologics Paradigm: A new Perspective on Circulating Cells. Presented at Transcatheter Cardiovascular Therapeutics. Washington, DC September 2010.
- 30. **Brinton TJ.** How do I know if I Should Pursue my Idea? Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2010
- 31. **Brinton TJ.** Strategies for Innovation in Cardiovascular Disease. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2010.
- 32. **Brinton TJ.** Platelet Cell Therapy for Treatment of CV Disease. Presented at the Seventh International Meeting on Stem Cell Therapy in Cardiovascular Disease. New York, NY January 2011.
- 33. **Brinton TJ**. New Approaches for Innovation in Cardiovascular Devices, Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA November 2011.
- 34. **Brinton TJ** Platelet Cell Therapy for the Treatment of Ischemic Cardiovascular Disease. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA November 2011.

- 35. **Brinton TJ.** Strategies for Development of Medical Technologies: From Bench to Bedside. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2011
- 36. **Brinton TJ.** Strategies for Treatment of Calcified Vascular Lesions. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2011.
- 37. **Brinton TJ.** Clinical Strategies for PCT in PAD. Presented at the International Meeting on Stem Cell Therapy in Cardiovascular Disease, New York, NY January 2012.
- 38. **Brinton TJ.** New Approaches for Hypertension Device Development. Presented at the Joint Interventional Meeting, Rome, Italy February 2012.
- 39. **Brinton TJ.** Hypertension Devices. Presented at the American College of Cardiology Scientific Session, Chicago, IL March 2012.
- 40. **Brinton TJ.** External Focused Ultrasound for Sympathetic Renal Denervation: FIM Results. Presented at Transcatheter Cardiovascular Therapeutics. South Beach, FL November 2012.
- 41. **Brinton TJ.** A New Technology for Treatment of Calcified Vascular Lesions. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2012.
- 42. **Brinton TJ.** External Focused Ultrasound for Sympathetic Renal Denervation: FIM Results. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2012.
- 43. **Brinton TJ.** External Focused Ultrasound for Sympathetic Renal Denervation: FIM Results. Presented at the Joint Interventional Meeting, Rome, Italy February 2013.
- 44. **Brinton TJ**. Matching an Idea to an Engineering Solution. Presented at Transcatheter Cardiovascular Therapeutics. Washington, DC September 2013.
- 45. **Brinton TJ** Electromechanical Balloon-Based Lithoplasty. Presented at Transcatheter Cardiovascular Therapeutics. Washington, DC. September 2013.
- 46. **Brinton TJ** Electromechanical Balloon-Based Lithoplasty. Presented at Interventional Cardiovascular Innovations. Tel Aviv, Israel December 2013
- 47. **Brinton TJ** Extra-vascular Focused Ultrasonic Denervation. Presented at Interventional Cardiovascular Innovations. Tel Aviv, Israel December 2013
- 48. **Brinton TJ.** Innovation in America. Presented at Interventional Cardiovascular Innovations. Tel Aviv, Israel December 2013.
- 49. **Brinton TJ.** Externally Delivered Focused Ultrasound: A Paradigm shift in Approach to the Patient with Hypertension. Presented at the Joint Interventional Meeting Rome, Italy, February 2014.
- 50. **Brinton TJ.** What is "Severe" Calcification Clinically and Histologically and What are It's Treatment Implications. Presented at Vascular Intervention Advances 2014. Las Vegas, Nevada September 2014.
- 51. **Brinton TJ**. Coronary Lithoplasty: First Human Experience. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2014.
- 52. **Brinton TJ**. Shockwave Lithoplasty: Concept for Treatment of Calcified Vascular Lesions. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2014.

- 53. **Brinton TJ**. Translational Innovation: The Valuable Link between Clinical Needs and Engineering Solutions. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2014.
- 54. **Brinton TJ**. Therapeutic Hypothermia: A Novel Noninvasive Approach to Facilitate a Paradigm Shift in Care for Ischemic Disease. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2014.
- 55. **Brinton TJ.** Developing Devices for Developing Countries. Presented at the American Heart Association Scientific Sessions Chicago, IL November 2014.
- 56. **Brinton TJ.** Coronary Lithoplasty[™] for Vessel Preparation in the New Era of Vascular Therapy. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2014.
- 57. **Brinton TJ.** Needs Assessment for CV Disease. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2015.
- 58. **Brinton TJ.** Lithoplasty for Treatment of Calcified Peripheral Vascular Disease. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2014.
- 59. **Brinton TJ.** Lithoplasty for Treatment of Calcified Vascular Lesions. Presented at the Joint Interventional Meeting, Rome, Italy February 2015.
- 60. **Brinton TJ.** Lithoplasty for Treatment of Calcified Vascular Lesions: DISRUPT PAD SFA/Popliteal Clinical Results. Presented at the EuroPCR Meeting. Paris, France May 2015.
- 61. **Brinton TJ**. Shockwave Lithoplasty System for Coronary Applications: Early Imaging Feasibility. Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2015.
- 62. **Brinton TJ**. Lithoplasty for Treatment of Calcified Peripheral Vascular Disease Presented at Transcatheter Cardiovascular Therapeutics. San Francisco, CA September 2015.
- 63. **Brinton TJ.** Interaction Between Medicine & Industry (For Innovation): My Point of View. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2015
- 64. **Brinton TJ.** Lithoplasty for Coronary Applications: Early Imaging Feasibility. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2015.
- 65. **Brinton TJ.** Needs Assessment for CV Disease. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2015.
- 66. **Brinton TJ.** Aortic Leaflet Restoration Using Balloon-Based Lithoplasty Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2015
- 67. **Brinton TJ.** Lithoplasty for Treatment of Calcified Peripheral Vascular Disease Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2015.
- 68. **Brinton TJ.** Lithoplasty for Treatment of Calcified Vascular Lesions. Presented at the Leipzig Interventional Course. Leipzig, Germany January 2016.
- 69. **Brinton TJ.** Lithoplasty for Treatment of Calcified Vascular Lesions. Presented at the Joint Interventional Meeting, Milan, Italy February 2016.

- 70. **Brinton TJ.** Lithoplasty for Aortic Leaflet Restoration. Presented at the Joint Interventional Meeting, Milan, Italy February 2016.
- 71. **Brinton TJ.** The Emerging Role of the Biodesign Institute for Cardiologists. Presented at the American College of Cardiology Scientific Sessions. Chicago, IL April 2016.
- 72. **Brinton TJ.** Future Clinical Needs in Cardiovascular Medicine. Presented at the EuroPCR Meeting. Paris, France May 2016.
- 73. **Brinton TJ.** Clinicians, Engineers & Innovation-The Developmental Timeline. Presented at Congenital and Structural Interventions 2016 Frankfurt, Germany June 2016.
- 74. **Brinton TJ.** Real World Research & Development: Essential Elements. Presented at Congenital and Structural Interventions 2016 Frankfurt, Germany June 2016.
- 75. **Brinton TJ.** Safety and Performance of the Lithoplasty System in treating calcified coronary vascular lesions prior to stenting: Results from the Disrupt CAD Study. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2016.
- 76. **Brinton TJ.** Needs Assessment for CV Disease. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2016.
- 77. **Brinton TJ.** Lithoplastyfor Aortic Leaflet Restoration. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2016.
- 78. **Brinton TJ.** Lithoplasty for treatment of peripheral vascular lesions: The DISRUPT PAD II 6 month results. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2016.
- 79. **Brinton TJ.** Safety and Performance of the Lithoplasty System in treating calcified coronary vascular lesions prior to stenting: Results from the Disrupt CAD Study Presented at the Joint Interventional Meeting, Milan, Italy February 2017.
- 80. **Brinton, TJ.** The role of Intravascular Lithotripsy in Treatment of Calcified Vascular Disease. The Veith Meeting, New York, USA November 2017.
- 81. **Brinton TJ.** Trans-valvular Lithotripsy for Aortic Leaflet Restoration. Presented at the Congenital and Structural Interventions 2017 Frankfurt Germany 2017.
- 82. **Brinton TJ.** Intravascular Lithotripsy for treatment of calcified coronary vascular lesions prior to stenting: Results from the Disrupt CAD Study. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2017.
- 83. **Brinton TJ.** Trans-valvular Lithotripsy for Aortic Leaflet Restoration. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2017.
- 84. **Brinton TJ.** Intravascular Lithotripsy for treatment of peripheral vascular lesions: The DISRUPT PAD II 6-month results. Presented at the Innovation in Cardiovascular Intervention, Tel Aviv, Israel December 2017.
- 85. **Brinton TJ.** Safety and Performance of the Intravascular Lithotripsy in treating calcified coronary vascular lesions prior to stenting: Results from the Disrupt CAD Study. Presented at the Joint Interventional Meeting, Milan, Italy February 2018.
- 86. **Brinton TJ.** Trans-valvular Lithotripsy for Aortic Leaflet Restoration. Presented at the Congenital and Structural Interventions 2017 Frankfurt Germany 2018.
- 87. **Brinton TJ.** Real World Research & Development: Essential Elements. Presented at Congenital and Structural Interventions Frankfurt, Germany June 2018.

PATENTS

- 1. Chio SS, **Brinton**, **TJ**. A Non-invasive Method and Apparatus for Diagnosing and Monitoring Aortic Valve Abnormalities, Such as Aortic Regurgitation. US Patent 08/816,988, March 9, 1999.
- Garrison M, Brinton TJ, Campbell PF, Roe S, Salmon SN, Yock PG. Methods and Apparatus for Localized and Semi-Localized Drug Delivery. US Patent US 10/783,217 March 17, 2005
- 3. Mishra A, **Brinton TJ**. Use of platelet rich plasma composition in the treatment of cardiac conduction abnormalities. US Patent 12/575,314.
- 4. Mishra A, **Brinton TJ**. Use of platelet rich plasma composition in the treatment of cardiac conduction abnormalities. US Patent 14/473,107

PUBLISHED WORK

Original Articles

- 1. **Brinton TJ**, Kailasam MT, Wu RA, Cervenka RT, Chio SS, Parmer RJ, DeMaria AN, O'Connor DT. Arterial Compliance by Cuff Sphygmomanometer Application to Hypertension and Early Changes in Subjects at Genetic Risk. *Hypertension* 1996; 28(4): 599-603.
- 2. **Brinton TJ**, Cotter B, Kailasam MT, Brown DL, Chio SS, O'Connor DT, DeMaria AN. Development and Validation of a Non-invasive Method to Derive Arterial Pressure and Vascular Compliance. *American Journal of Cardiology* 1997; 80:323-330.
- 3. **Brinton TJ**, Walls ED, Chio SS. Validation of Pulse Dynamic Blood Pressure Measurement by Auscultation. *Blood Pressure Monitoring* 1998; 3:121-124.
- 4. **Brinton TJ,** Walls ED, Yajnik AK, Chio SS. Age-based Differences Between Mercury Sphygmomanometer and Pulse Dynamic Blood Pressure Measurements. *Blood Pressure Monitoring* 1998; 3:125-129.
- 5. Urbina EM, **Brinton TJ**, Elkasabany A, Berenson GS. Brachial Artery Distensibility and Relation to Cardiovascular Risk Factors In Healthy Young Adults (The Bogalusa Heart Study). *American Journal of Cardiology* 2002; 89(8):946-951.
- 6. Hou D, Youseff EA, **Brinton TJ**, Zhang P, Rogers P, Price ET, Yeung AC, Johnstone BH, Yock PG, March KL. Radiolabeled Cell Distribution Following Intramyocardial, Intracoronary, and Interstitial Retrograde Venous Delivery: Implications for Current Clinical Trials. *Circulation* 2005; 112(9) I150-6.
- 7. Wilson A, Ardehali R, **Brinton TJ**, Yeung AC, Vagelos R. Successful Removal of a Paradoxical Coronary Embolus using an Aspiration Catheter. *Nature Clinical Practice Cardiovascular Medicine* 2006 Nov; 3(11):633-6.
- 8. Wilson A, Koizumi T, Brinton TJ, Yeung AC, Lee DP. Cutting Balloon Inflation for Drug-eluting Stent Underexpansion due to Unrecognized Coronary Arterial Calcification. *Cardiovascular Revascularization Medicine* 2006 Jul-Sep;7(3):185-8.
- 9. Ardehali R, **Brinton TJ**, Wilson AM PhD, Gradman M, Vagelos RH, Lee DP. Recurrent Spontaneous Coronary Artery Dissection with Transient Left Ventricular

- Systolic Dysfunction. *International Journal of Cardiology* 2007 Mar 20; 116(2): e48-50.
- 10. Rodriguez-Porcel M, **Brinton TJ**, Chen IY, Gheysens O, Lyons JL, Ikeno F, Willman JK, Wu L, Wu JC, Yeung AC, Yock, PG Gambhir SS. Reporter Gene Imaging following Percutaneous Delivery in Swine Moving Toward Clinical Applications. *Journal of the American College of Cardiology* 2008 Feb 5; 51(5): 595-597.
- 11. Fearon WF, Shah M, Ng M, **Brinton TJ**, Wilson A. Tremmel JA, Schnittger I, Lee DP, Vagelos RH, Fitzgerald PJ, Yock PG, Yeung, AC. Predictive Value of the Index of Microcirculatory Resistance in Patients with ST Segment Elevation Myocardial Infarction. *Journal of the American College of Cardiology* 2008: Feb 5; 51(5) 560-565.
- 12. Fuh E, **Brinton TJ**. Bone Marrow Stem Cells for the Treatment of Ischemic Heart Disease: A Clinical Trial Review. *Journal of Cardiovascular Translational Research* 2009 2:202–218.
- 13. Willmann JK, Paulmurugan R, Rodriguez-Porcel M, Stein W, **Brinton TJ**, Connolly AJ, Nielsen CH, Lutz AM, Lyons J, Ikeno F, Suzuki Y, Rosenberg J, Chen IY, Wu J, Yeung AC, Yock PG, Robbins RC, Gambhir SS. Imaging Gene Expression in Human Mesenchymal Stem Cells: From Small to Large Animals. *Radiology* 2009 Jul; 252(1):117-27.
- 14. **Brinton TJ**, Wu J. Current Utilization of Imaging in Cardiac Stem Cell Clinical Trails. *Current Cardiovascular Imaging Reports* 2009; 2 (2): 202-218.
- 15. Mishra A, Velotta J, **Brinton TJ**, Wang X, Chang S, Palmer O, Sheikh A, Chung J, Yang PC, Robbins R, Fischbein, M. RevaTen Platelet-Rich Plasma Improves Cardiac Function After Myocardial Injury. *Cardiovascular Revascularization Medicine* 2011 May-Jun; (12) 3:158-63.
- 16. Yock PG, **Brinton TJ**, Zenios SA, Teaching Biomedical Technology Innovation as a Discipline. *Science Translational Medicine* 3, 92cm19 2011.
- 17. Dash R, Chung J, Ikeno F, Hahn-Windgassen A, Matsuura Y, Bennett MV, Lyons JK, Teramoto T, Robbins RC, McConnell MV, Yeung AC, **Brinton TJ**, Harnish PP, Yang PC. Dual Manganese-Enhanced and Delayed Gadolinium-Enhanced MRI Detects Myocardial Border Zone Injury in a Pig Ischemia-Reperfusion Model. *Circulation Cardiovascular Imaging* 2011; 4(5): 574-82
- 18. Sista AK, Hwang GL, Hovsepian DM, Sze DY, Kuo WT, Kothary N, Louie JD, Yamada K, Hong R, Dhanani R, **Brinton TJ**, Krummel TM, Makower M, Yock PG, Hofmann LV. Applying a Structured Innovation Process to Interventional Radiology: A Single Center Experience. *Journal of Vascular Interventional Radiology* 2012 Apr; 23(4): 488-94.
- 19. Nimgaonkar A, Yock P, **Brinton TJ**, Krummel T, Pasricha PJ. Gastroenterology and Biodesign: Contributing to the Future of Our Specialty. *Gastroenterology* 2012.

- 20. Brinton TJ, Kurihara CQ, Camarillo DB, Pietzsch JB, Gorodsky J, Zenios SA, Doshi R, Shen C, Kumar UN, Mairal A, Watkins J, Popp RL, Wang PJ, Makower J, Krummel TM, Yock PG. Outcomes from a Postgraduate Biomedical Technology Innovation Training Program: The First 12 Years of Stanford Biodesign. *Annals of Biomedical Engineering* 2013.
- Sasportas LS, Hosford DN, Sodini MA, Waters DJ, Zambricki EA, Barral JK, Graves EE, Brinton TJ, Yock PG, Le Q, Sirjani D. Cost-effectiveness Landscape Analysis of Treatments Addressing Xerostomia in Patients Receiving Head and Neck Radiation Therapy. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology 2013; 116 (1): e37-51.
- 22. Hong SJ, Hou D, **Brinton TJ**, Johnstone B, Feng D, Rogers P, Fearon WF, Yock P, March KL. Intracoronary and Retrograde Coronary Venous Myocardial Delivery of Adipose-Derived Stem Cells in Swine Infarction Lead to Transient Myocardial Trapping with Predominant Pulmonary Redistribution. *Catheterization and Cardiovascular Interventions* 2014 83 (1): E17-E25.
- 23. Neuzil P, Ormiston J, **Brinton TJ**, Starek Z, Esler M, Dawood O, Anderson T, Gertner M, Whitbourne R, Schnieder RE. Externally Delivered Focused Ultrasound for Renal Denervation. *JACC: Cardiovascular Interventions* 2016; 9(12):1292-1299.
- 24. Schwartz J, Kumar U, Azagury D, **Brinton TJ**, Yock PG. Needs-based innovation in cardiovascular medicine: The Stanford Biodesign process. *JACC: Basics to Translational Science July 2016*.
- 25. Wall J, Denend L, Hellman E, Rait D, Venook R, Lucian L, Azagury D, Yock PG, **Brinton TJ.** Impact of Postgraduate Training in Health Technology Innovation: Career Outcomes of Stanford Biodesign Fellowship Alumni. *Annals of Biomedical Engineering Dec 2016*.
- 26. Parashurama N, Ahn B, Ziv K, Ito K, Paulmurugan R, Willmann JK, Chung J, Ikeno F, Swanson JC Merk DR, Lyons JK, Yerushalmi D, Teramoto T, Kosuge H, Dao CN, Ray P, Patel M, Chang Y, Mahmoudi M, Cohen JE, Goldstone AB, Habte F, Bhaumik S, Yaghoubi S, Robbins RC, Dash R, Yang PC, Brinton TJ, Yock PG, McConnell MV, Gambhir SSMultimodality Molecular Imaging of Cardiac Cell Transplantation: Part I. Reporter Gene Design, Characterization, and Optical in Vivo Imaging of Bone Marrow Stromal Cells after Myocardial Infarction. *Radiology* 2016; 280 (3): 815-825
- 27. Parashurama N, Ahn B, Ziv K, Ito K, Paulmurugan R, Willmann JK, Chung J, Ikeno F, Swanson JC Merk DR, Lyons JK, Yerushalmi D, Teramoto T, Kosuge H, Dao CN, Ray P, Patel M, Chang Y, Mahmoudi M, Cohen JE, Goldstone AB, Habte F, Bhaumik S, Yaghoubi S, Robbins RC, Dash R, Yang PC, Brinton TJ, Yock PG, McConnell MV, Gambhir SS. Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging. *Radiology* 2016; 280 (3): 826-836
- 28. Brodmann M, Werner M, **Brinton TJ**, Illindala U, Lansky A, Jaff MR, Holden A. Safety and Performance of Lithoplasty for Treatment of Calcified Peripheral Artery Lesions, *Journal of The American College of Cardiology*, 2017; 70 (7): 908–10

- Ali, ZA, Brinton, TJ, Hill, JM, Maehara, A, Matsumura, M, Karimi Galougahi, K, Illindala, U, Götberg, M, Whitbourn, R, Van Mieghem, N, Meredith, IT, Di Mario, C, Fajadet, J. Optical Coherence Tomography Characterization of Coronary Lithoplasty for Treatment of Calcified Lesions: First Description. *Journal of The American College of Cardiology*, 2017; 10 (8): 897–906
- 30. Steinberger JD, Denend, L, Azagury, DE, **Brinton TJ**, Makower J, Yock PG. Needs-Based Innovation in Interventional Radiology: The Biodesign Process. *Techniques in Vascular and Interventional Radiology*, 2017; 20 (2): 84–89.
- 31. Hill, J, Good, S, **Brinton, TJ**, Oldroyd K. Intravascular Lithotripsy to Treat a Severely Under-Expanded Coronary Stent. *EuroIntervention*. 2018 Oct 9. pii: EIJ-D-18-00780. doi: 10.4244/EIJ-D-18-00780.
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Textbooks

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