

Thomas McAndrew

Curriculum Vitae

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↳ Peer-Reviewed Publications



Postdoctoral training

- 2018– **Postdoctoral Fellowship of Biostatistics**, University of Massachusetts at Amherst, Amherst, MA.
Advisor: Nicholas G. Reich

Education

- 2013–2017 **Ph.D. Mathematical Sciences**, University of Vermont, Burlington, VT.
Certificate in Complex Systems
Advisors: James Bagrow, Christopher Danforth
Ph.D. Thesis: Weighted networks: Applications from power grid construction to crowd control
- 2009–2010 **M.S. Biostatistics**, Georgetown University, Washington, D.C.
Focus in Epidemiology
Advisors: George Luta, Rebecca Slack
- 2005–2009 **B.S. Biomathematics**, University of Scranton, Scranton, PA.
Minors: Theology, Biochemistry

Experience

- 11/2016– **Assoc. Dir. of Biostatistics**, CARDIOVASCULAR RESEARCH FOUNDATION, New York City, NY.
09/2018 I lead a team of statisticians dedicated to cardiovascular research and the analysis of device-driven clinical trials.
- 07/2016 **Senior Statistician**, CARDIOVASCULAR RESEARCH FOUNDATION, New York City, NY.
-11/2016 Conducted novel statistical research applied to cardiovascular device trials from pre-clinical work to pivotal trials.
- 2013–2016 **IGERT Research Fellow**, UNIVERSITY OF VERMONT, Burlington, VT.
Researched power grid structure, our perceptions of causality, and more effectively guiding crowd-sourcing.
- 05/2015– **Center for Nonlinear Sciences Fellow**, LOS ALAMOS NATIONAL LABORATORY, Los Alamos, NM.
08/2015 Advisors: Aric Hagberg, Nathan Lemons
Participated in weekly research meetings, and studied anomaly detection in cyber-physical networks.
- 06/2014– **Complexity Student**, SANTA FE INSTITUTE, Santa Fe, NM.
07/2014 Learned from top experts in complexity science and researched sand-pile models applied to power-grid robustness.
- 2012–2013 **Biostatistician**, CARDIOVASCULAR RESEARCH FOUNDATION, New York City, NY.
Statistically analyzed, designed, and interpreted clinical device trials.
- 2011–2012 **Biostatistician**, ALBERT EINSTEIN COLLEGE OF MEDICINE, New York City, NY.
Analyzed the genetics and virology of the Human Papilloma Virus in an Obstetrics and Gynecology setting.
- 2010–2010 **Consulting Biostatistician**, MEDICAL TOURISM RESEARCH, Washington, D.C.
Designed surveys to collect data on patients who travel from the USA to Europe for medical care.
- 2010–2010 **Statistical Intern**, OFFICE OF THE COMPTROLLER OF THE CURRENCY, Washington, D.C.
Statistically analyzed large bank data and studied systemic bank risk.
- 2009–2010 **Clinical Trials Research Assist.**, LOMBARDI COMPREHENSIVE CANCER CENTER, Washington, D.C.
Analyzed and monitored phase II clinical trials.

Editor

As statistical editor, I review manuscripts and guide journals toward better statistical methodology.

09/2018– **Statistical Editor**, CORONARY ARTERY DISEASE, New York City, NY.

03/2017– **Statistical Editor**, STRUCTURAL HEART, New York City, NY.

Funding

2013–2016 **National Science Foundation**, IGERT.

Integrative Graduate Education and Research Traineeship (IGERT) focused on the Smart grid. Awarded this competitive fellowship to fund my Ph.D.

2015 **Smart Grid Seminar Series, UVM Clean Energy Fund, \$11,000.**

Awarded a grant with a group of students to educate the general public about the Smart grid.

Advising

2016– **Cardiovascular Research Foundation.**

Guidance in clinical trial planning, analyzing data, and publishing peer-reviewed work with cardiologists.

Aaron Crowley, M.A. (Biostatistics)

Yiran Zhang, M.S. (Biostatistics)

Yangbo Liu, M.S. (Biostatistics)

Zixuan Zhang, M.S. (Biostatistics)

Mengdan Liu, M.S. (Biostatistics)

Alan Sourek (Highschool Shadow for Biostatistics)

Teaching

2017 **Introductory Statistics**, STATISTICS, Cardiovascular Research Foundation, New York City, NY.

Bi-weekly classes where I teach statistical methodology for a 'statistical programming' audience.

2016 **Calculus II**, MATHEMATICS, University of Vermont, Burlington, VT.

An independently designed class on Integrative calculus, multi-dimensional calculus, and some brief work in statistical theory for a summer session taught to 14 students.

Scientific Talks and Outreach

2018 **Clinical trial design in context**, TRANSCATHETER THERAPEUTICS.

Panelist discussing the implications of poor statistical methodology in cardiovascular science.

2018 **EXCEL Trial substudies**, TRANSCATHETER THERAPEUTICS.

Panelist critically reviewing sub-study statistics for the EXCEL trial.

2018 **Assimilated LVEF: Combining human intuition with Machine measurements for sharper estimates of left ventricular ejection fraction**, AMERICAN SOCIETY OF ECHOCARDIOGRAPHY.

A poster presentation describing a novel method for combining medical expertise with machine-guided measurements of the heart.

2017 **Spotlight on Interpreting Evidence: The P-value and Beyond**, TRANSCATHETER THERAPEUTICS.

A round-table discussion on the pvalue and its influence on medical research.

2017 **Assimilated LVEF: Lessons from the PARTNER II trial**, STUDENT COMPLEXITY RESEARCH AND PIZZA SEMINAR.

A talk on the use of human intuition to better inform machine estimates of left ventricular ejection fraction.

2016 **Clinical Trial Design, Statistics, and Interpretation**, TRANSCATHETER THERAPEUTICS.

A round-table discussion on advanced trial designs and the deleterious effects of poor design.

2016 **Robust microgrids**, UNIVERSITY OF VERMONT.

A discussion on how to build robust, yet small, infrastructure and future implications of this research.

2016 **Anomaly detection from physical correlations**, CENTER FOR NON-LINEAR SCIENCE.

A talk on how we can use correlations on a diverse set of systems for anomaly detection in cyberphysical systems.

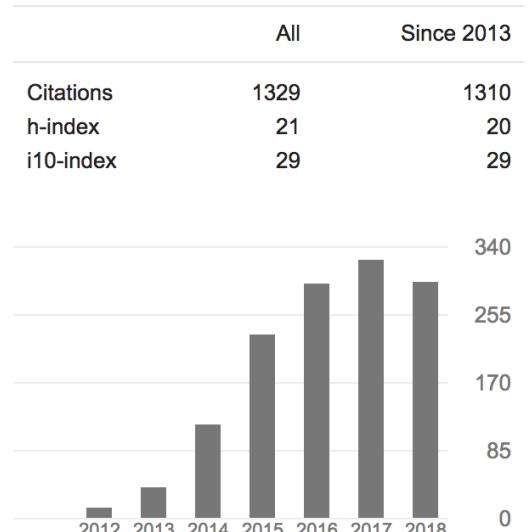
- 2016 **What we write about when we write about causality**, ASONAM.
A talk on mining our perceptions of causality.
- 2015 **Robustness of Spatial Micronetworks**, COMPLENET.
A talk on building robust but small neighborhood-level powergrids.
- 2015 **Ooblexity Experiment at NanoDays**, ECHO LAKE AQUARIUM AND SCIENCE CENTER.
I raised awareness of science by demonstrating experiments with Oobleck, a non-Newtonian shear-thickening fluid.
- 2015 **Percolation on Spatial Networks**, RADIOBEAN'S SCHOOL LUNCH SERIES.
A 10 minute, fast-paced, invited talk on percolation and its application to micro-power grids.
- 2014 **Structural and Functional Robustness in Networks**, SANTE FE INSTITUTE.
A talk on using the sandpile-model to study cascading failures on powergrids.
- 2014 **The Tesla Road Trip: An Adventure in Renewable Energy**, MNT MANSFIELD UNION HS.
A talk on using the sandpile-model to study cascading failures on powergrids.

Languages

python · R · SAS · LaTeX · SQL · javascript · php · perl · Matlab · English

Summary of Research Impact

- 1329 citations
- 76 total publications
- 5 first-authored papers (3 published, 2 in review)
 - 06 publications in Mathematics/Statistics
 - 58 publications in Cardiology
 - 04 publications in Obstetrics / Gynecology
 - 01 publications in Oncology
 - 07 publications in Genetics
- h-index = 21
- i10-index = 29



Mathematics & Statistics

- [Mth1] Thomas McAndrew, Bjorn Redfors, Aaron Crowley, Yiran Zhang, Shmuel Chen, Mordechai Golomb, Maria Alu, Dominic Francese, Ori Ben-Yehuda, Akiko Maehara, et al. How Cox models react to a study-specific confounder in a patient-level pooled dataset: Random-effects better cope with an imbalanced covariate across trials unless baseline hazards differ **In review: Journal of Applied Statistics**. *arXiv preprint arXiv:1805.02821*, 2018. [Manuscript link](#).
- [Mth2] Thomas McAndrew, Bjorn Redfors, Yiran Zhang, Aaron Crowley, Shmuel Chen, Gregg Stone, and Paul Jenkins. Crossing points in survival analysis sensitively depend on system conditions **In review: Lifetime Data Analysis**. *arXiv preprint arXiv:1805.02835*, 2018. [Manuscript link](#).
- [Mth3] Thomas C McAndrew, Elizaveta A Guseva, and James P Bagrow. Reply & Supply: Efficient crowdsourcing when workers do more than answer questions. *PloS one*, 12(8):e0182662, 2017. [Manuscript link](#).
- [Mth4] Andrey Y Lokhov, Nathan Lemons, Thomas C McAndrew, Aric Hagberg, and Scott Backhaus. Detection of cyber-physical faults and intrusions from physical correlations. In *Data Mining Workshops (ICDMW), 2016 IEEE 16th International Conference on*, pages 303–310. IEEE, 2016. [Manuscript link](#).
- [Mth5] Thomas C McAndrew, Joshua C Bongard, Christopher M Danforth, Peter Sheridan Dodds, Paul DH Hines, and

James P Bagrow. What we write about when we write about causality: Features of causal statements across large-scale social discourse. In *Advances in Social Networks Analysis and Mining (ASONAM), 2016 IEEE/ACM International Conference on*, pages 519–524. IEEE, 2016. [Manuscript link](#).

- [Mth6] Thomas C McAndrew, Christopher M Danforth, and James P Bagrow. Robustness of spatial micronetworks. *Physical Review E*, 91(4):042813, 2015. [Manuscript link](#).

Cardiology

- [Card1] Nirat Beohar, Shmuel Chen, Nicholas Lembo, Adrian Banning, Patrick WJC Serruys, Martin B Leon, Marie Morice, Philippe Genereux, David Kandzari, A Kappetein, et al. Impact Of Lesion Preparation Strategies On Outcomes Of Left Main Pci: The EXCEL Trial. *Journal of the American College of Cardiology*, 71(11):A1000, 2018.
- [Card2] Chandan M Devireddy, Vasilis Babaliaros, Robert A Guyton, James Stewart, Yangbo Liu, Raj Makkar, Michael J Mack, Brian Whisenant, Stephen Ramee, Paul Teirstein, et al. Routine Early Discharge After Transcatheter Aortic Valve Replacement: A Propensity Score Analysis From The PARTNER 2 Sapien 3 Study. *Journal of the American College of Cardiology*, 71(11):A1220, 2018.
- [Card3] Ariel Furer, Shmuel Chen, Bjorn Redfors, Sammy Elmariah, Philippe Pibarot, Howard Herrmann, Rebecca T Hahn, Susheel K Kodali, Vinod H Thourani, William Fearon, et al. Reduced Baseline Ejection Fraction Is Associated With Increased Cardiovascular Mortality After Transcatheter Aortic Valve Replacement: Results From The PARTNER Ii Trials. *Journal of the American College of Cardiology*, 71(11):A1347, 2018.
- [Card4] Leonid Garber, Thomas C McAndrew, Eugene S Chung, Branislav Stancak, Jesper H Svendsen, Joao Monteiro, Trent M Fischer, Fred Kueffer, Thomas Ryan, Jeroen Bax, et al. Predictors of Left Ventricular Remodeling After Myocardial Infarction in Patients With a Patent Infarct Related Coronary Artery After Percutaneous Coronary Intervention (from the Post-Myocardial Infarction Remodeling Prevention Therapy [PRomPT] Trial). *The American journal of cardiology*, 121(11):1293–1298, 2018.
- [Card5] Gennaro Giustino, Roxana Mehran, Patrick W Serruys, Joseph F Sabik, Milan Milojevic, Charles A Simonton, John D Puskas, David E Kandzari, Marie-Claude Morice, David P Taggart, et al. Left Main Revascularization With PCI or CABG in Patients With Chronic Kidney Disease: EXCEL Trial. *Journal of the American College of Cardiology*, 72(7):754–765, 2018.
- [Card6] Gennaro Giustino, Björn Redfors, Ajay J Kirtane, Roxana Mehran, George D Dangas, Bernhard Witzenbichler, Franz-Josef Neumann, Giora Weisz, Philippe Généreux, Akiko Maehara, et al. Platelet Reactivity and Risk of Ischemic Stroke After Coronary Drug-Eluting Stent Implantation: From the ADAPT-DES Study. *JACC: Cardiovascular Interventions*, page 3680, 2018.
- [Card7] Rebecca T Hahn, Philippe Pibarot, Jonathon Leipsic, Philipp Blanke, Pamela S Douglas, Neil J Weissman, Samir Kapadia, Vinod H Thourani, Howard C Herrmann, Tamim Nazif, et al. The effect of post-dilatation on outcomes in the PARTNER 2 SAPIEN 3 registry. *JACC: Cardiovascular Interventions*, 11(17):1710–1718, 2018.
- [Card8] Maayan Konigstein, Hussein Rahim, Thomas McAndrew, Evan Shlofmitz, Ori Ben-Yehuda, Gregg Stone, and Ziad Ali. Incidence And Predictors Of Contemporary DES Failure: Individual-Patient Data Pooled Analysis From 11 Randomized Controlled Trials. *Journal of the American College of Cardiology*, 71(11):A1019, 2018.
- [Card9] Ioanna Kosmidou, Shmuel Chen, A Pieter Kappetein, Patrick W Serruys, Bernard J Gersh, John D Puskas, David E Kandzari, David P Taggart, Marie-Claude Morice, Paweł E Buszman, et al. New-Onset Atrial Fibrillation After PCI or CABG for Left Main Disease: The EXCEL Trial. *Journal of the American College of Cardiology*, 71(7):739–748, 2018.
- [Card10] S Chris Malaisrie, Robert W Hodson, Thomas C McAndrew, Charles Davidson, Jeffrey Swanson, Rebecca T Hahn, Philippe Pibarot, Wael A Jaber, Nishath Quader, Alan Zajarias, et al. Outcomes after Transcatheter and Surgical Aortic Valve Replacement in Intermediate Risk Patients with Preoperative Mitral Regurgitation: Analysis of PARTNER II Randomized Cohort. *Structural Heart*, 2(4):336–343, 2018.

- [Card11] Björn Redfors, Philippe Génereux, Bernhard Witzenbichler, Ajay J Kirtane, Thomas McAndrew, Giora Weisz, Thomas D Stuckey, Timothy D Henry, Akiko Maehara, Roxana Mehran, et al. Bleeding Severity After Percutaneous Coronary Intervention. *Circulation: Cardiovascular Interventions*, 11(3):e005542, 2018.
- [Card12] Björn Redfors, Philippe Génereux, Bernhard Witzenbichler, Akiko Maehara, Giora Weisz, Thomas McAndrew, Roxana Mehran, Ajay J Kirtane, and Gregg W Stone. Percutaneous coronary intervention of lesions with in-stent restenosis: A report from the ADAPT-DES study. *American heart journal*, 197:142–149, 2018.
- [Card13] Patrick W Serruys, Rafael Cavalcante, Carlos Collet, Arie Pieter Kappetein, Joseph F Sabik, Adrian P Banning, David P Taggart, Manel Sabaté, Jose Pomar, Piet W Boonstra, et al. Outcomes after coronary stenting or bypass surgery for men and women with unprotected left main disease: the EXCEL trial. *JACC: Cardiovascular Interventions*, 11(13):1234–1243, 2018.
- [Card14] Xiaofang Zeng, A Michael Lincoff, Stefanie Schulz-Schüpke, Philippe Gabriel Steg, Yedid Elbez, Roxana Mehran, Gregg W Stone, Thomas McAndrew, Jianhui Lin, Xindan Zhang, et al. Efficacy and safety of bivalirudin in coronary artery disease patients with mild to moderate chronic kidney disease: Meta-analysis. *Journal of cardiology*, 71(5):494–504, 2018.
- [Card15] Jaya Chandrasekhar, Roxana Mehran, George Dangas, Thomas McAndrew, Yiran Zhang, Philippe Genereux, Ajay Kirtane, and Gregg Stone. Effect Of Thrombotic And Bleeding Risk According To Platelet Reactivity On 2-Year Mortality: The ADAPT-DES Study. *Journal of the American College of Cardiology*, 11(69):1012, 2017.
- [Card16] Yanping Cheng, Paweł Gasior, Jing-Gang Xia, Kamal Ramzi poor, Chang Lee, Edward A Estrada, Daniell Dokko, Jenn C McGregor, Gerard B Conditt, Thomas McAndrew, et al. Comparative Biomechanical Behavior and Healing Profile of a Novel Thinned Wall Ultrahigh Molecular Weight Amorphous Poly-l-Lactic Acid Sirolimus-Eluting Bioresorbable Coronary Scaffold. *Circulation: Cardiovascular Interventions*, 10(7):e005116, 2017.
- [Card17] Konstanze Ertelt, Sorin J Brener, Roxana Mehran, Ori Ben-Yehuda, Thomas McAndrew, and Gregg W Stone. Comparison of Outcomes and Prognosis of Patients With Versus Without Newly Diagnosed Diabetes Mellitus After Primary Percutaneous Coronary Intervention for ST-Elevation Myocardial Infarction (the HORIZONS-AMI Study). *The American Journal of Cardiology*, 119(12):1917–1923, 2017.
- [Card18] Matthew Finn, Michael Cloney, Dimitrios Karmpaliotis, Ajay Kirtane, Philip Green, Thomas McAndrew, Claire Litherland, Bjorn Redfors, Witzenbichler Bernhard, Giora Weisz, et al. Is Platelet Reactivity Associated With Ischemic Events Following Successful Chronic Total Occlusion Percutaneous Coronary Intervention. *Journal of the American College of Cardiology*, 11(69):1314, 2017.
- [Card19] Philippe Génereux, Philippe Pibarot, Björn Redfors, Michael J Mack, Raj R Makkar, Wael A Jaber, Lars G Svensson, Samir Kapadia, E Murat Tuzcu, Vinod H Thourani, Thomas McAndrew, et al. Staging classification of aortic stenosis based on the extent of cardiac damage. *European Heart Journal*, page ehx381, 2017.
- [Card20] Elvin Kedhi, Mark W Kennedy, Akiko Maehara, Alexandra J Lansky, Thomas C McAndrew, Steven P Marso, Bernard De Bruyne, Patrick W Serruys, and Gregg W Stone. Impact of TCFA on unanticipated ischemic events in medically treated diabetes mellitus: insights from the PROSPECT study. *JACC: Cardiovascular Imaging*, 10(4):451–458, 2017.
- [Card21] Ioanna Kosmidou, Monica Embacher, Thomas McAndrew, José M Dizon, Roxana Mehran, Ori Ben-Yehuda, Gary S Mintz, and Gregg W Stone. Early Ventricular Tachycardia or Fibrillation in Patients With ST Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention and Impact on Mortality and Stent Thrombosis (from the Harmonizing Outcomes with Revascularization and Stents in Acute Myocardial Infarction Trial). *The American Journal of Cardiology*, 2017.
- [Card22] Ioanna Kosmidou, Thomas McAndrew, Björn Redfors, Monica Embacher, José M Dizon, Roxana Mehran, Ori Ben-Yehuda, Gary S Mintz, and Gregg W Stone. Correlation of Admission Heart Rate With Angiographic and Clinical Outcomes in Patients With Right Coronary Artery ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: HORIZONS-AMI (The Harmonizing Outcomes With Revascularization and Stents in Acute Myocardial Infarction) Trial. *Journal of the American Heart Association*, 6(7):e006181, 2017.

- [Card23] Ioanna Kosmidou, Björn Redfors, Rushad Dordi, José M Dizon, Thomas McAndrew, Roxana Mehran, Ori Ben-Yehuda, Gary S Mintz, and Gregg W Stone. Incidence, Predictors, and Outcomes of High-Grade Atrioventricular Block in Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention (from the HORIZONS-AMI Trial). *The American Journal of Cardiology*, 119(9):1295–1301, 2017.
- [Card24] Ioanna Kosmidou, Björn Redfors, Thomas McAndrew, Monica Embacher, Roxana Mehran, José M Dizon, Ori Ben-Yehuda, Gary S Mintz, and Gregg W Stone. Worsening atrioventricular conduction after hospital discharge in patients with ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention: the HORIZONS-AMI trial. *Coronary Artery Disease*, 2017.
- [Card25] Mahesh V Madhavan, Mathew S Maurer, Wael A Jaber, Philippe Pibarot, Pamela S Douglas, Raj R Makkar, Vinod H Thourani, Stam Lerakis, Howard C Herrmann, Nimesh D Desai, Thomas McAndrew, et al. The Myocardial Contraction Fraction Predicts Adverse Events after Transcatheter Aortic Valve Replacement: P2-16. *Journal of the American Society of Echocardiography*, 30(6):B68–B69, 2017.
- [Card26] Khalid Qaderdan, Gerrit-Jan A Vos, Thomas McAndrew, Philippe Gabriel Steg, Christian W Hamm, Arnoud van't Hof, Roxana Mehran, Efthymios N Deliargyris, Debra Bernstein, Gregg W Stone, et al. Outcomes in elderly and young patients with ST-segment elevation myocardial infarction undergoing primary percutaneous coronary intervention with bivalirudin versus heparin: pooled analysis from the EUROMAX and HORIZONS-AMI trials. *American Heart Journal*, 2017.
- [Card27] B Redfors, A Maehara, B Witzenbichler, G Weisz, TD Stuckey, TD Henry, T McAndrew, R Mehran, AJ Kirtane, GW Stone, et al. Outcomes After Successful Percutaneous Coronary Intervention of Calcified Lesions Using Rotational Atherectomy, Cutting Balloon Angioplasty, or Balloon-Only Angioplasty Before Drug-Eluting Stent Implantation. *The Journal of invasive cardiology*, 2017.
- [Card28] Björn Redfors, Philippe Genereux, Ajay Kirtane, Bernhard Witzenbichler, Akiko Maehara, Giora Weisz, Thomas McAndrew, Roxana Mehran, and Gregg Stone. Platelet Reactivity And Outcomes After PCI Of Lesions With And Without In-Stent Restenosis: The ADAPT-DES Study. *Journal of the American College of Cardiology*, 11(69):1023, 2017.
- [Card29] Björn Redfors, Philippe Généreux, Bernhard Witzenbichler, Thomas McAndrew, Jamie Diamond, Xin Huang, Akiko Maehara, Giora Weisz, Roxana Mehran, Ajay J Kirtane, et al. Percutaneous Coronary Intervention of Saphenous Vein Graft. *Circulation: Cardiovascular Interventions*, 10(5):e004953, 2017.
- [Card30] Björn Redfors, Brendan M Watson, Thomas McAndrew, Emilie Palisaitis, Dominic P Francese, Mehdi Razavi, Jordan Safirstein, Roxana Mehran, Ajay J Kirtane, and Philippe Généreux. Mortality, Length of Stay, and Cost Implications of Procedural Bleeding After Percutaneous Interventions Using Large-Bore Catheters. *JAMA cardiology*, 2017.
- [Card31] Myong Hwa Yamamoto, Kennosuke Yamashita, Mitsuaki Matsumura, Akiko Fujino, Masaru Ishida, Seitarou Ebara, Toshitaka Okabe, Shigeo Saito, Koichi Hoshimoto, Kisaki Amemiya, Thomas McAndrew, et al. Serial 3-Vessel Optical Coherence Tomography and Intravascular Ultrasound Analysis of Changing Morphologies Associated With Lesion Progression in Patients With Stable Angina PectorisCLINICAL PERSPECTIVE. *Circulation: Cardiovascular Imaging*, 10(9):e006347, 2017.
- [Card32] Elvin Kedhi, Mark Kennedy, Akiko Maehara, Alexandra Lansky, Thomas McAndrew, Steven Marso, Bernard De Bruyne, Patrick Serruys, and Gregg Stone. TCT-94 Impact of Thin-Cap Fibroatheromas on Unanticipated Ischemic Events in Medically Treated Patients With Diabetes Mellitus: Insights From the PROSPECT Study. *Journal of the American College of Cardiology*, 68(18):B38, 2016.
- [Card33] Marco Barbanti, John G Webb, Rebecca T Hahn, Ted Feldman, Robert H Boone, Craig R Smith, Susheel Kodali, Alan Zajarias, Christopher R Thompson, Philip Green, ..., Thomas McAndrew, et al. Impact of preoperative moderate/severe mitral regurgitation on 2-year outcome after transcatheter and surgical aortic valve replacement: insight from the PARTNER (Placement of AoRTic TraNscathetER Valve) Trial Cohort A. *Circulation*, pages CIRCULATIONAHA–113, 2013.
- [Card34] Sorin J Brener, Roxana Mehran, Jose Dizon, Tom McAndrew, and Helen Parise. Complementary Predictive Value Of Myocardial Blush Grade And St-Segment Resolution After Primary Pci: An Analysis From Horizons-Ami. *Journal of the American College of Cardiology*, 61(10):E1854, 2013.

- [Card35] Sammy Elmariah, Igor F Palacios, Tom McAndrew, Ignacio Inglessis, Joshua N Baker, Gus J Vlahakes, Maureen A Daher, Susheel Kodali, Martin Leon, Lars Svensson, et al. TCT-114 Impact of Left Ventricular Function on Outcomes of Transcatheter Aortic Valve Replacement and Medical Therapy in Inoperable Patients with Aortic Stenosis: Insights from the Placement of Aortic Transcatheter Valves (PARTNER) Trial (Cohort B). *Journal of the American College of Cardiology*, 62(18):B37, 2013.
- [Card36] Konstanze Ertelt, Philippe Genereux, Gary S Mintz, Ajay J Kirtane, Tom McAndrew, Sorin Brener, Roxana Mehran, and Gregg Stone. TCT-236 Clinical Profile And Impact Of A Family History Of Premature Coronary Artery Disease On Long-term Clinical Ischemic Events In Patients Undergoing PCI For STEMI: Analysis From The HORIZONS-AMI Trial. Revascularization And Stents In Acute Myocardial Infarction) Trial. *Journal of the American College of Cardiology*, 62(18):B77, 2013.
- [Card37] Vasim Farooq, Yvonne Vergouwe, Philippe Généreux, Christos V Bourantas, Tullio Palmerini, Adriano Caixeta, Hector M García-García, Roberto Diletti, Marie-angèle Morel, Thomas C McAndrew, et al. Prediction of 1-year mortality in patients with acute coronary syndromes undergoing percutaneous coronary intervention: validation of the logistic clinical SYNTAX (Synergy Between Percutaneous Coronary Interventions With Taxus and Cardiac Surgery) score. *JACC: Cardiovascular Interventions*, 6(7):737–745, 2013.
- [Card38] William F Fearon, Sammy Elmariah, Tom McAndrew, Gus J Vlahakes, Michael Fischbein, David Liang, Susheel Kodali, Martin Leon, Lars Svensson, Philippe Pibarot, et al. TCT-112 Left Ventricular Ejection Fraction Improves Less after Trans-Apical Transcatheter Aortic Valve Replacement Compared to a Trans-Femoral Approach. *Journal of the American College of Cardiology*, 62(18):B36, 2013.
- [Card39] Zhan Gao, Bo Xu, Yuejin Yang, Zhongwei Sun, Jinqing Yuan, Jue Chen, Shubin Qiao, Yongjian Wu, Hongbing Yan, Yelin Zhao, Thomas McAndrew, et al. TCT-294 Transradial versus Transfemoral Method of Two-Stent Implantation for True Bifurcation Lesions: Comparison of Immediate and Long-Term Outcomes. *Journal of the American College of Cardiology*, 62(18):B95, 2013.
- [Card40] Philippe Genereux, Akiko Maehara, Ajay Kirtane, Sorin Brener, Tullio Palmerini, Laura Lasalle, Tom McAndrew, Alexandra Lansky, Roxana Mehran, Gary Mintz, et al. Impact of coronary calcification on one-year outcomes after PCI in STEMI and NSTEMI: pooled analysis from horizons and ACUITY trials. *Journal of the American College of Cardiology*, 61(10):E1716, 2013.
- [Card41] Philippe Genereux, Akiko Maehara, Ajay Kirtane, Sorin Brener, Tullio Palmerini, Laura Lasalle, Elias Sanidas, Madhusudhan Tarigopula, Mayank Yadav, Tom McAndrew, et al. Association Between Coronary Calcification And Bleeding After Pci In Acs: Pooled Analysis From Horizons-Ami And Acuity Trials. *Journal of the American College of Cardiology*, 61(10):E143, 2013.
- [Card42] Philip Green, David J Cohen, Philippe Généreux, Tom McAndrew, Suzanne V Arnold, Maria Alu, Nirat Beohar, Charanjit S Rihal, Michael J Mack, Samir Kapadia, et al. Relation between six-minute walk test performance and outcomes after transcatheter aortic valve implantation (from the PARTNER trial). *The American journal of cardiology*, 112(5):700–706, 2013.
- [Card43] Philip Green, Ajay Kirtane, Philippe Genereux, Tom McAndrew, Irene Hueter, Maria Alu, Suzanne Arnold, Nirat Beohar, Charanjit Rihal, Michael Mack, et al. The Impact of six-minute walk test performance on outcomes after transcatheter aortic valve replacement: insights from the PARTNER trial. *Journal of the American College of Cardiology*, 61(10):E1971, 2013.
- [Card44] Mayra Guerrero, Brian O'Neill, Vinod Thourani, Susheel Kodali, Mathew Williams, Vasilis Babaliaros, Tom McAndrew, Howard C Herrmann, Augusto Pichard, Michael Mack, et al. TCT-773 The Prognostic Significance of Changes in B-type Natriuretic Peptide (BNP) after Transcatheter Aortic Valve Replacement (TAVR): THE PARTNER I EXPERIENCE. *Journal of the American College of Cardiology*, 62(18):B235, 2013.
- [Card45] Rebecca T Hahn, Pamela S Douglas, Philippe Pibarot, Tom McAndrew, William Stewart, Neil Weissman, Mathew Williams, Susheel Kodali, and Martin Leon. Moderated Poster Differences in Baseline Echo Parameters in Patients with Varying Severity of Paravalvular Regurgitation Following Transcatheter Valve Replacement. *Journal of the American Society of Echocardiography*, 26(6):B7–B8, 2013.
- [Card46] Rebecca T Hahn, Philippe Pibarot, Susheel Kodali, John Webb, Josep Rodes-Cabau, Howard C Herrmann, Mathew Williams, Raj Makkar, Wilson Y Szeto, Michael Main, ..., Thomas McAndrew, et al. Post-dilatation and Procedural Outcomes in the PARTNER I Trial, 2013.

- [Card47] Elvin Kedhi, Philippe Genereux, Tullio Palmerini, Tom McAndrew, Helen Parise, George Dangas, Roxana Mehran, Ori Ben-Yehuda, and Gregg Stone. TCT-19 The Impact of Coronary Lesion Severity on Drug-eluting Stent Outcomes in Patients with and without Diabetes Mellitus. *Journal of the American College of Cardiology*, 62(18):B7, 2013.
- [Card48] Nobuaki Kobayashi, Akiko Maehara, Dominic Allocco, Bernard Witzenbichler, Stephen G Ellis, Mark A Turco, John A Ormiston, Giulio Guagliumi, Songtao Jiang, Tom McAndrew, et al. Stenting During STEMI Is Associated With Less Neointimal Hyperplasia: A Pooled IVUS Analysis From The HORIZONS-AMI And Taxus IV, V, And ATLAS Trials. *Journal of the American College of Cardiology*, 61(10):E1856, 2013.
- [Card49] S Kodali, R Hahn, M Williams, V Thourani, EM Tuzcu, L Svensson, P Douglas, M Alu, T McAndrew, and M Leon. Impact of paravalvular leak following transcatheter aortic valve replacement on one-year mortality: analysis of the combined PARTNER cohorts. *European Heart Journal*, 34(suppl_1):2584, 2013.
- [Card50] Susheel K Kodali, Mathew Williams, Karin Humphries, David Cohen, Vuyisile Nkomo, Neil Weissman, Vinod Thourani, Lars Svensson, E Murat Tuzcu, Thomas C McAndrew, et al. Sex-Specific Differences In Late Mortality After Transcatheter AVR In The PARTNER Trial. *Journal of the American College of Cardiology*, 61(10):E1864, 2013.
- [Card51] Brian R Lindman, William Stewart, Philippe Pibarot, Rebecca T Hahn, Neil J Weissman, Thomas C McAndrew, Wilson Y Szeto, Raj Makkar, D Craig Miller, Vasilis Babalarios, et al. Regression of Severe Left Ventricular Hypertrophy After Transcatheter Valve Replacement for Aortic Stenosis: Impact on Clinical Outcomes in PARTNER Cohort A, 2013.
- [Card52] Alfazir Omar, Rebecca Torguson, Philippe Genereux, James Blankenship, Jose M De la Torre Hernandez, Farrel Hellig, Jacek Legutko, Gary S Mintz, Tom McAndrew, Jasvinder Singh, et al. TCT-617 Impact Of Gender In The Relationship Between Intravascular Ultrasound And Fractional Flow Reserve. *Journal of the American College of Cardiology*, 62(18):B187, 2013.
- [Card53] Jean-Michel Paradis, Hersh Maniar, John Lasala, Mathew Williams, Susheel Kodali, Brian R Lindman, Marc R Moon, Ralph Damiano, Tom McAndrew, Vinod Thourani, et al. TCT-754 Clinical and Left Ventricular Functional Outcomes Associated with Cardiac Biomarker Elevation after Transapical TAVR: A Sub-analysis from the PARTNER Trial. *Journal of the American College of Cardiology*, 62(18):B229, 2013.
- [Card54] Philippe Pibarot, Rebecca T Hahn, Neil J Weissman, William J Stewart, Brian R Lindman, Lars G Svensson, Howard C Herrmann, Michael J Mack, Scott Lim, Vinod H Thourani, Thomas McAndrew, et al. Moderated Poster: Predictors of Impact of Prosthesis-patient Mismatch following Transcatheter Aortic Valve Replacement-A Partner Trial Cohort A Analysis. *Journal of the American Society of Echocardiography*, 26(6):B9, 2013.
- [Card55] Timothy A Sanborn, Roxana Mehran, Philippe Genereux, Bernhard Witzenbichler, Sorin Brener, Ajay J Kirtane, Tom McAndrew, Dominic Frangese, Ran Kornowski, Dariusz Dudek, et al. TCT-292 reduced bleeding complications and increased event-free survival with femoral vascular closure device use and bivalirudin in stemi patients undergoing primary angioplasty in the horizons-ami trial. *Journal of the American College of Cardiology*, 62(18):B95, 2013.
- [Card56] Cristiano F Souza, Roxana Mehran, Ajay J Kirtane, Sorin Brener, Tom McAndrew, Frederick Feit, and Gregg W Stone. TCT-261 Safety and efficacy of Bivalirudin monotherapy in patients with non-ST segment elevation myocardial infarction undergoing PCI: Results from the ACUITY Study. *Journal of the American College of Cardiology*, 62(18):B85, 2013.
- [Card57] Jochen Wöhrle, Bruce Brodie, Bernhard Witzenbichler, Dariusz Dudek, Ran Kornowski, Chris Metzger, Cindy Grines, Thomas C McAndrew, Helen Parise, Ziad Serrie, et al. Impact of bivalirudin and paclitaxel-eluting stents on outcomes in patients undergoing primary percutaneous coronary intervention of the left anterior descending artery. *The American journal of cardiology*, 112(6):753–760, 2013.
- [Card58] Alan Zajarias, Jean-Michel Paradis, John Lasala, Susheel Kodali, Mathew Williams, Brian R Lindman, Ralph Damiano, Marc R Moon, E Murat Tuzcu, Raj Makkar, Thomas McAndrew, et al. TCT-113 Clinical and Left Ventricular Functional Outcomes Associated with Cardiac Biomarker Elevation after Transfemoral TAVR: A Sub-analysis from the PARTNER Trial. *Journal of the American College of Cardiology*, 62(18):B37, 2013.

Obstetrics & Gynecology

- [ObGyn1] Mary L Rosser, Thomas C McAndrew, and Allison J Brusati. OBSTETRICIANS/GYNECOLOGISTS AND HEART HEALTH: UNTAPPED ALLIES IN THE FIGHT ON CARDIOVASCULAR DISEASE. *Journal of the American College of Cardiology*, 61(10):E1458, 2013.
- [ObGyn2] D Woods, S Isani, T McAndrew, N Nevadunsky, J Hou, G Goldberg, and D Kuo. Comparison of the environmental impact of commonly used surgical approaches to hysterectomy. *Gynecologic Oncology*, 130(1):e143, 2013.
- [ObGyn3] R Callery, S Kumar, T McAndrew, M Simmons, S Isani, M Einstein, and M Abadi. Quality assurance initiative to improve the performance of cytology and HPV testing for predicting clinically relevant disease in peri-and postmenopausal women with ASCUS. *Gynecologic Oncology*, 125:S52–S53, 2012.
- [ObGyn4] J Gebb, M Rosner, TC McAndrew, FH Einstein, and P Dar. P16. 03: 3-dimensional power Doppler (3DPD) "biopsy" of the Utero-Placental Circulation Space (UPCS). *Ultrasound in Obstetrics & Gynecology*, 40(S1):230–230, 2012.

Oncology

- [Onc1] MJ Pishvaian, R Slack, A Witkiewicz, AR He, JJ Hwang, A Hankin, K Dorsch-Vogel, D Kuda, T McAndrew, LM Weiner, et al. A phase II study of the PARP inhibitor ABT-888 plus temozolomide in patients with heavily pretreated, metastatic colorectal cancer. *Journal of Clinical Oncology*, 29(15_suppl):3502–3502, 2011.

Genetics

- [Gen1] Marina Frimer, Chang Sun, Thomas McAndrew, Benjamin C Smith, Zogui Chen, Gary L Goldberg, Ana C Rodriguez, and Robert D Burk. HPV16 CpG methylation patterns determined by next-gen bisulfite sequencing and association with cervix precancer/cancer, 2015.
- [Gen2] Marina Frimer, June Y Hou, Thomas C McAndrew, Gary L Goldberg, and Shohreh Shahabi. The clinical relevance of rising CA-125 levels within the normal range in patients with uterine papillary serous cancer. *Reproductive Sciences*, 20(4):449–455, 2013.
- [Gen3] Jeny P Ghartey, Colleen Carpenter, Philip Gialanella, Charlotte Rising, Thomas C McAndrew, Mohak Mhatre, Jessica Tugetman, Mark H Einstein, Cynthia Chazotte, and Betsy C Herold. Association of bactericidal activity of genital tract secretions with Escherichia coli colonization in pregnancy. *American Journal of Obstetrics and Gynecology*, 207(4):297–e1, 2012.
- [Gen4] June Y Hou, David Smotkin, Robert Grossberg, Mark Suhrland, Rebecca Levine, Harriet O Smith, Abdissa Negassa, Thomas C McAndrew, and Mark H Einstein. High prevalence of high grade anal intraepithelial neoplasia in HIV-infected women screened for anal cancer. *JAIDS Journal of Acquired Immune Deficiency Syndromes*, 60(2):169–172, 2012.
- [Gen5] Rebecca Pellett Madan, Colleen Carpenter, Tina Fiedler, Sabah Kalyoussef, Thomas C McAndrew, Shankar Viswanathan, Mimi Kim, Marla J Keller, David N Fredricks, and Betsy C Herold. Altered biomarkers of mucosal immunity and reduced vaginal Lactobacillus concentrations in sexually active female adolescents. *PloS one*, 7(7):e40415, 2012.
- [Gen6] Mohak Mhatre, Thomas McAndrew, Colleen Carpenter, Robert D Burk, Mark H Einstein, and Betsy C Herold. Cervical intraepithelial neoplasia is associated with genital tract mucosal inflammation. *Sexually transmitted diseases*, 39(8):591, 2012.
- [Gen7] Benjamin C Smith, Thomas McAndrew, Zogui Chen, Ariana Harari, David M Barris, Shankar Viswanathan, Ana Cecilia Rodriguez, Phillip Castle, Rolando Herrero, Mark Schiffman, et al. The cervical microbiome over 7 years and a comparison of methodologies for its characterization. *PloS one*, 7(7):e40425, 2012.