

THOMAS MCANDREW

CONTACT

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EDUCATION

University of Massachusetts at Amherst 2018 - Present
Postdoctoral Fellow, Department of Biostatistics
Advisor: [Nicholas G. Reich](#)

University of Vermont 2013 - 2017
Ph.D. Mathematical Sciences
Advisor: [Christopher M. Danforth](#)
Coadvisors: [James P. Bagrow](#) and [Peter S. Dodds](#)

Georgetown University 2009 - 2010
M.S. Biostatistics

University of Scranton 2005 - 2009
B.S. Biomathematics
Minors: Biochemistry, Theology

INDUSTRY EXPERIENCE

Cardiovascular Research Foundation *New York, NY*
Associate Director of Biostatistics 2016 - 2018
Senior Biostatistician 2016 - 2016
Biostatistician 2012 - 2013

Albert Einstein College of Medicine *New York, NY*
Biostatistician 2011 - 2012

INTERNSHIPS, FELLOWSHIPS, AND TRAINING

IGERT Research fellow 2013 - 2016
University of Vermont *Burlington, VT*

Intern 2015
Center for Nonlinear Sciences *Los Alamos, NM*

Student 2014
Santa Fe Institute Complex Systems Summer School *Santa Fe, NM*

Intern <i>Office of the Comptroller of the Currency</i>	2010 <i>Washington D.C.</i>
Research Assistant <i>Lombardi Comprehensive Cancer Center</i>	2009 - 2010 <i>Washington D.C.</i>

EDITORIAL ACTIVITIES

Statistical Editor	Structural Heart, Coronary Artery Disease
Reviewer	Lancet, Journal of Interventional Cardiology, PLoS One, IEEE Transactions on Power Systems, Journal of Energy Engineering

INVITED TALKS, DISCUSSANT, AND PRESENTATIONS

Adaptively Stacked Ensembles for Influenza Forecasting with Incomplete Data	2019
Epidemics	<i>Charleston, SC</i>
Statistics and Datascience Symposium (SDSS)	<i>Seattle, WA</i>
Modeling of Infectious Disease Agent Study (MIDAS) Network	<i>Bethesda, MD</i>
New England Statistical Symposium (NESS)	<i>Hartford, CT</i>

Clinical trial design in context	2018
<i>Transcatheter Therapeutics</i>	<i>San Diego, CA</i>

EXCEL Trial substudies	2018
<i>Transcatheter Therapeutics</i>	<i>San Diego, CA</i>

Assimilated LVEF: Combining human intuition with Machine measurements for sharper estimates of left ventricular ejection fraction	2018
<i>American Society of Echocardiography</i>	<i>Nashville, TN</i>

Spotlight on Interpreting evidence: The p-value and beyond	2017
<i>Transcatheter Therapeutics</i>	<i>Denver, CO</i>

Clinical trial design, statistics, and interpretation	2016
<i>Transcatheter Therapeutics</i>	<i>Washington, DC</i>

Robust microgrids	2016
<i>University of Vermont</i>	<i>Burlington, VT</i>

Anomaly detection from physical correlations	2016
<i>Center for Nonlinear Sciences</i>	<i>Los Alamos, NM</i>

What we write about when we write about causality
Advances in Social Networks Analysis and Mining (ASONAM)

2016
San Francisco, CA

Robustness of Spatial Micronetworks
Complenet

2015
NY, NY

Structural and Functional Robustness in Networks
Santa Fe Institute

2014
Santa Fe, NM

OUTREACH

Ooblexity: Non-newtonian fluid dynamics
Nanodays

2015
Burlington, VT

Percolation on spatial networks
Radiobean School lunch series

2015
Burlington, VT

LANGUAGES

Spoken/Written English
Computer python, R, SAS, LaTeX, SQL, javascript, php, matlab

GRANTS AND CONTRACTS

K01: Combining statistical and expert forecasts: testing the impact of expertise on influenza prediction
To be submitted Oct. 12, 2019

2019
NIH

TEACHING

Intermediate Biostatistics (Spring '20)
University of Massachusetts at Amherst

2020
Amherst, MA

Topics in Applied Regression (Fall '19)
Mount Holyoke College

2019
Hadley, MA

Fundamentals of Calculus II (Summer '16)
University of Vermont

2016
Burlington, VT

SUMMARY OF RESEARCH IMPACT

Number of Citations	1776
Number of total publications	94
Mathematics/Statistics	07
Cardiology	75
Genetics	07
Obstetrics/Gynecology	04
Oncology	01
h-Index	23
i10-index	36

Mathematics & Statistics

- [Mth1] **Thomas McAndrew** and Nicholas G. Reich. Adaptively stacking ensembles for influenza forecasting with incomplete data. *arXiv:1908.01675*, Aug 2019. [Manuscript link](#) .
- [Mth2] **Thomas McAndrew**, Bjorn Redfors, Aaron Crowley, Yiran Zhang, Shmuel Chen, Mordechai Golomb, Maria C Alu, Dominic P 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. *Journal of Applied Statistics*, pages 1–14, Jan 2019. [Manuscript link](#) .
- [Mth3] **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. *arXiv preprint arXiv:1805.02835*, 2018. [Manuscript link](#) .
- [Mth4] **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](#) .
- [Mth5] 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](#) .
- [Mth6] **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](#).
- [Mth7] **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] Suzanne V Arnold, Yiran Zhang, Suzanne J Baron, **Thomas C McAndrew**, Maria C Alu, Susheel K Kodali, Samir Kapadia, Vinod H Thourani, D Craig Miller, Michael J Mack, et al. Impact of short-term complications on mortality and quality of life after transcatheter aortic valve replacement. *JACC: Cardiovascular Interventions*, 12(4):362–369, 2019.
- [Card2] Ori Ben-Yehuda, Shmuel Chen, Björn Redfors, **Thomas McAndrew**, Aaron Crowley, Ioanna Kosmidou, David E Kandzari, John D Puskas, Marie-Claude Morice, David P Taggart, et al.

Impact of large periprocedural myocardial infarction on mortality after percutaneous coronary intervention and coronary artery bypass grafting for left main disease: an analysis from the EXCEL trial. *European heart journal*, 40(24):1930–1941, 2019.

- [Card3] Behnood Bikdeli, **Thomas McAndrew**, Aaron Crowley, Shmuel Chen, Ghazaleh Mehdipoor, Yangbo Liu, Zixuan Zhang, Mengdan Liu, Yiran Zhang, Björn Redfors, et al. Development of an Individual Patient Database of Participants from Randomized Trials of Periprocedural Anticoagulation with Bivalirudin versus Heparin in Percutaneous Coronary Intervention: Rationale and Methodological Considerations. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 39:A279–A279, 2019.
- [Card4] Yanping Cheng, Pawel Gasior, Kamal Ramzipoor, Chang Lee, Jenn C McGregor, Gerard B Condit, **Thomas McAndrew**, Grzegorz L Kaluza, and Juan F Granada. In vitro mechanical behavior and in vivo healing response of a novel thin-strut ultrahigh molecular weight poly-l-lactic acid sirolimus-eluting bioresorbable coronary scaffold in normal swine. *International journal of cardiology*, 286:21–28, 2019.
- [Card5] Serge Doucet, E Marc Jolicœur, Patrick W Serruys, Michael Ragosta III, Irving L Kron, Werner Scholtz, Jochen Börgermann, Yiran Zhang, **Thomas McAndrew**, Joseph F Sabik III, et al. Outcomes of left main revascularization in patients with acute coronary syndromes and stable ischemic heart disease: Analysis from the EXCEL trial. *American heart journal*, 214:9–17, 2019.
- [Card6] Serdar Farhan, Björn Redfors, Akiko Maehara, **Thomas McAndrew**, Ori Ben-Yehuda, Bernard De Bruyne, Roxana Mehran, Gennaro Giustino, Ajay J Kirtane, Patrick W Serruys, et al. Impact of pre-diabetes on coronary plaque composition and clinical outcome in patients with acute coronary syndromes: an analysis from the PROSPECT study. *JACC: Cardiovascular Imaging*, 12(4):733–741, 2019.
- [Card7] William F Fearon, Stephan Achenbach, Thomas Engstrom, Abid Assali, Richard Shlofmitz, Allen Jeremias, Stephane Fournier, Ajay J Kirtane, Ran Kornowski, Gabriel Greenberg, Rami Jubeh, Daniel M. Kolansky, **Thomas McAndrew**, Ovidiu Dressler, Akiko Maehara, Mitsuaki Matsumura, Martin B. Leon, and Bernard De Bruyne. Accuracy of fractional flow reserve derived from coronary angiography. *Circulation*, 139(4):477–484, 2019.
- [Card8] Matthew T Finn, Björn Redfors, Dimitri Karpaliotis, Ajay J Kirtane, Philip Green, **Thomas McAndrew**, Mengdan Liu, Michael B Cloney, Bernhard Witzensbichler, Giora Weisz, et al. Adverse events in patients with high platelet reactivity following successful chronic total occlusion PCI: The Assessment of Dual AntiPlatelet Therapy with Drug-Eluting Stents (ADAPT-DES) study. *American heart journal*, 211:68–76, 2019.
- [Card9] Ariel Furer, Shmuel Chen, Björn Redfors, Sammy Elmariah, Philippe Pibarot, Howard C Herrmann, Rebecca T Hahn, Susheel Kodali, Vinod H Thourani, Pamela S Douglas, Maria C. Alu, William F. Fearon, Chris Passeri, Jonathan S. andrey Malaisrie, Aaron Crowley, **Thomas McAndrew**, Philippe Genereux, Ori Ben-Yehuda, Martin B. Leon, and Daniel Burkhoff. Effect of Baseline Left Ventricular Ejection Fraction on 2-Year Outcomes After Transcatheter Aortic Valve Replacement: Analysis of the PARTNER 2 Trials. *Circulation: Heart Failure*, 12(8):e005809, 2019.
- [Card10] Zachary M Gertz, Philippe Pibarot, Pamela S Douglas, Sammy Elmariah, Maria C Alu, **Thomas McAndrew**, Yiran Zhang, Robert W Hodson, Rebecca T Hahn, Neil J Weissman, et al. Implications of Left Ventricular Geometry in Low-Flow Aortic Stenosis: A PARTNER 2 Trial Subanalysis. *JACC. Cardiovascular imaging*, 12(2):367, 2019.
- [Card11] Xin Huang, Björn Redfors, Shmuel Chen, Bernard J Gersh, Roxana Mehran, Yiran Zhang, **Thomas McAndrew**, Ori Ben-Yehuda, Gary S Mintz, and Gregg W Stone. Predictors of mor-

tality in patients with non-anterior ST-segment elevation myocardial infarction: Analysis from the HORIZONS-AMI trial. *Catheterization and Cardiovascular Interventions*, 2019.

- [Card12] Yuhei Kobayashi, Carlos Collet, Stephan Achenbach, Thomas Engstrom, Abid Assali, Richard Shlofmitz, Allen Jeremias, Stephane Fournier, Ajay Kirtane, Ran Kornowski, Gabriel Greenberg, Rami Jubeh, Daniel Kolansky, **Thomas McAndrew**, Ovidiu Dressler, Akiko Maehara, Mitsuaki Matsumura, Martin Leon, Bernard De Bruyne, and William Fearon. Diagnostic Performance of Angiography-based Fractional Flow Reserve in Subgroups: report from the FAST-FFR study. *Journal of the American College of Cardiology*, 73(9 Supplement 1):1167, 2019.
- [Card13] Maayan Konigstein, Mahesh V Madhavan, Ori Ben-Yehuda, Hussein M Rahim, Iva Srdanovic, Fotis Gkargkoulas, Ghazaleh Mehdipoor, Evan Shlofmitz, Akiko Maehara, Björn Redfors, Ankita K. Gore, **Thomas McAndrew**, Gregg W. Stone, and Ziad A. Ali. Incidence and predictors of target lesion failure in patients undergoing contemporary DES implantation Individual patient data pooled analysis from 6 randomized controlled trials. *American heart journal*, 213:105–111, 2019.
- [Card14] Poghni A Peri-Okonny, Yangbo Liu, S Chris Malaisrie, Chetan P Huded, Samir Kapadia, Vinod H Thourani, Susheel K Kodali, John Webb, **Thomas C McAndrew**, Martin B Leon, et al. Association of Statin Use and Mortality After Transcatheter Aortic Valve Replacement. *Journal of the American Heart Association*, 8(8):e011529, 2019.
- [Card15] Michael J Rinaldi, Frank X Gohs, Ajay J Kirtane, Bruce R Brodie, Thomas D Stuckey, Björn Redfors, **Thomas McAndrew**, Bernhard Witzenbichler, Giora Weisz, Franz-Josef Neumann, et al. Impact of point-of-care platelet function testing among patients with and without acute coronary syndromes undergoing percutaneous coronary intervention with drug-eluting stents (from the ADAPT-DES Study). *The American journal of cardiology*, 123(4):549–557, 2019.
- [Card16] Nirat Beohar, Shmuel Chen, Nicholas Lembo, Adrian Banning, Patrick WJC Serruys, Martin B Leon, Marie Morice, Philippe Genereux, David Kandzari, A Kappetein, Joseph F. Sabik, Ovidiu Dressler, **Thomas McAndrew**, and Gregg Stone. 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.
- [Card17] Sorin J Brener, Ajay J Kirtane, Michael J Rinaldi, Thomas D Stuckey, Bernhard Witzenbichler, Giora Weisz, Franz-Josef Neumann, D Christopher Metzger, Timothy D Henry, David A Cox, Peter L. Duffy, Ernest L. Mazzaferri Jr, Paul A. Gurbel, Bruce R. Brodie, Roxana Mehran, **Thomas McAndrew**, and Gregg W. Stone. Prediction of ischemic and bleeding events using the dual antiplatelet therapy score in an unrestricted percutaneous coronary intervention population: analysis from the ADAPT-DES registry. *Circulation: Cardiovascular Interventions*, 11(10):e006853, 2018.
- [Card18] Chandan M Devireddy, Vasilis Babaliaros, Robert A Guyton, James Stewart, Yangbo Liu, Raj Makkar, Michael J Mack, Brian Whisenant, Stephen Ramee, Paul Teirstein, **Thomas McAndrew**, Aaron Crowley, Susheel K. Kodali, Suzanne Baron, David Cohen, Martin B. Leon, and Vinod H. Thourani. 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.
- [Card19] Ariel Furer, Shmuel Chen, Bjorn Redfors, Sammy Elmariah, Philippe Pibarot, Howard Herrmann, Rebecca T Hahn, Susheel K Kodali, Vinod H Thourani, William Fearon, Jonathan Passeri, S. Chris Malaisrie, **Thomas McAndrew**, Philippe Genereux, Ori Ben-Yehuda, Martin B. Leon, and Daniel Burkhoff. 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.
- [Card20] 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.

- [Card21] 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, Anthony H. Gershlick, Philippe Genereux, Zixuan Zhang, **Thomas McAndrew**, Bjorn Redfors, Michael Ragosta III, Irving L. Kron, Ovidiu Dressler, and Gregg W. Stone. 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.
- [Card22] Gennaro Giustino, Björn Redfors, Ajay J Kirtane, Roxana Mehran, George D Dangas, Bernhard Witzenbichler, Franz-Josef Neumann, Giora Weisz, Philippe Généreux, Akiko Maehara, **Thomas McAndrew**, Serdar Farhan, Michael J. Rinaldi, D. Christopher Metzger, Timothy D. Henry, David A. Cox, Peter L. Duffy, Ernest L. Mazzaferri Jr., Bruce R. Brodie, Thomas D. Stuckey, Paul Gurbel, Ori Ben-Yehuda, and Gregg W. Stone. Platelet Reactivity and Risk of Ischemic Stroke After Coronary Drug-Eluting Stent Implantation: From the ADAPT-DES Study. *JACC: Cardiovascular Interventions*, page 3680, 2018.
- [Card23] 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, **Thomas McAndrew**, John G. Webb, Martin B. Leon, and Susheel Kodali. The effect of post-dilatation on outcomes in the PARTNER 2 SAPIEN 3 registry. *JACC: Cardiovascular Interventions*, 11(17):1710–1718, 2018.
- [Card24] 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.
- [Card25] 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, Andrzej Bochenek, Erick Schampaert, Pierre Page, Joseph F. Sabik III, Bjorn **McAndrew**, **Thomas** Redfors, Ori Ben-Yehuda, and Gregg W. Stone. 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.
- [Card26] Akiko Maehara, Gary S Mintz, Bernhard Witzenbichler, Giora Weisz, Franz-Josef Neumann, Michael J Rinaldi, D Christopher Metzger, Timothy D Henry, David A Cox, Peter L Duffy, Bruce R. Brodie, Thomas D. Stuckey, Ernest L. Mazzaferri Jr, **Thomas** textbfMcAndrew, Philippe Genereux, Roxana Mehran, Ajay J. Kirtane, and Gregg W. Stone. Relationship between intravascular ultrasound guidance and clinical outcomes after drug-eluting stents: two-year follow-up of the ADAPT-DES study. *Circulation: Cardiovascular Interventions*, 11(11):e006243, 2018.
- [Card27] 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.
- [Card28] Björn Redfors, Philippe Généreux, 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.

- [Card29] Björn Redfors, Philippe Généreux, 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.
- [Card30] 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.
- [Card31] 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.
- [Card32] 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.
- [Card33] Yanping Cheng, Pawel Gasior, Jing-Gang Xia, Kamal Ramzipoor, 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.
- [Card34] 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.
- [Card35] Matthew Finn, Michael Cloney, Dimitrios Karpaliotis, 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.
- [Card36] Philippe Généreux, 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.
- [Card37] 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.
- [Card38] 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.
- [Card39] 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 Out-

comes 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.

- [Card40] 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.
- [Card41] 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.
- [Card42] 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.
- [Card43] 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.
- [Card44] 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.
- [Card45] Bjorn 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.
- [Card46] 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.
- [Card47] 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.
- [Card48] 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 Pectoris CLINICAL PERSPECTIVE. *Circulation: Cardiovascular Imaging*, 10(9):e006347, 2017.

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