

# THOMAS MCANDREW

## CONTACT

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## APPOINTMENTS

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**Lehigh University** *Bethlehem, PA*  
Assistant Professor 2020 -

## EDUCATION

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**University of Massachusetts at Amherst** 2018 - 2020  
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

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**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

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

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

<b>Student</b> <i>Santa Fe Institute Complex Systems Summer School</i>	2014 <i>Santa Fe, NM</i>
<b>Intern</b> <i>Office of the Comptroller of the Currency</i>	2010 <i>Washington D.C.</i>
<b>Research Assistant</b> <i>Lombardi Comprehensive Cancer Center</i>	2009 - 2010 <i>Washington D.C.</i>

## EDITORIAL ACTIVITIES

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### Statistical Editor

- **Statistical Editor**
  - Structural Heart Coronary Artery Disease
  - Kidney International Reports
  - Journal of the American College of Cardiology
- **Reviewer**
  - Lancet
  - Journal of Interventional Cardiology
  - PLoS One
  - IEEE Transactions on Power Systems
  - Journal of Energy Engineering

## INVITED TALKS, DISCUSSANT, AND PRESENTATIONS

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**Supporting public health decisions during the COVID-19 pandemic with forecasting and modeling using consensus predictions** 2021  
*College of Health Research Roundtable (Lehigh Univ)* *Virtual*

**Course Moment (BIOS130)** 2021  
*The Humanities Lab (Lehigh Univ)* *Virtual*

**Probability Panel** 2021  
*The Humanities Lab (Lehigh Univ)* *Virtual*

**Metaforecasting the US COVID-19 outbreak** 2021

**MIDAS Webinar: COVID-19 Urgent Grant Program Awards (Aggregating computational models and human judgment for more accurate forecasts of the US COVID-19 outbreak)**  
 2020  
*Modeling of Infectious Disease Agents Study (MIDAS)* *Virtual*

<b>A consensus of probabilistic predictions by experts and trained forecasters of the timing and efficacy of a SARS-CoV-2 vaccine</b>	2020
<i>Society for Risk Analysis</i>	<i>Virtual</i>
<b>An expert and trained forecaster consensus model of vaccine and therapeutic solutions to COVID-19</b>	2020
<i>Metaculus</i>	<i>Virtual</i>
<b>Understanding COVID-19 through computational models and expert judgment</b>	2020
<i>Lehigh University</i>	<i>Virtual</i>
<b>An expert judgment model to predict early stages of the US COVID-19 outbreak</b>	2020
<i>Modeling of Infectious Disease Agents Study (MIDAS)</i>	<i>Virtual</i>
<b>Adaptively Stacked Ensembles for Influenza Forecasting with Incomplete Data</b>	2019
<i>Epidemics</i>	<i>Charleston, SC</i>
<i>Statistics and Datascience Symposium (SDSS)</i>	<i>Seattle, WA</i>
<i>Modeling of Infectious Disease Agent Study (MIDAS) Network</i>	<i>Bethesda, MD</i>
<i>New England Statistical Symposium (NESS)</i>	<i>Hartford, CT</i>
<b>Clinical trial design in context</b>	2018
<i>Transcatheter Therapeutics</i>	<i>San Diego, CA</i>
<b>EXCEL Trial substudies</b>	2018
<i>Transcatheter Therapeutics</i>	<i>San Diego, CA</i>
<b>Assimilated LVEF: Combining human intuition with Machine measurements for sharper estimates of left ventricular ejection fraction</b>	2018
<i>American Society of Echocardiography</i>	<i>Nashville, TN</i>
<b>Spotlight on Interpreting evidence: The p-value and beyond</b>	2017
<i>Transcatheter Therapeutics</i>	<i>Denver, CO</i>
<b>Clinical trial design, statistics, and interpretation</b>	2016
<i>Transcatheter Therapeutics</i>	<i>Washington, DC</i>
<b>Robust microgrids</b>	2016
<i>University of Vermont</i>	<i>Burlington, VT</i>

**Anomaly detection from physical correlations** 2016  
*Center for Nonlinear Sciences* *Los Alamos, NM*

**What we write about when we write about causality** 2016  
*Advances in Social Networks Analysis and Mining (ASONAM)* *San Francisco, CA*

**Robustness of Spatial Micronetworks** 2015  
*Complenet* *NY, NY*

**Structural and Functional Robustness in Networks** 2014  
*Santa Fe Institute* *Santa Fe, NM*

## OUTREACH

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**Family Week: Decision-making, Crowd-think, and COVID-19** 2020  
*Lehigh University* *Bethlehem, PA*

**Ooblexity: Non-newtonian fluid dynamics** 2015  
*Nanodays* *Burlington, VT*

**Percolation on spatial networks** 2015  
*Radiobean School lunch series* *Burlington, VT*

## LANGUAGES

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

## GRANTS AND CONTRACTS

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### Funded

**Aggregating computational models and human judgment for more accurate forecasts of the US COVID-19 outbreak** 10/2020-06/2021  
*NIGMS, Role: Principal Investigator, Award Amt: 100,000*

### Submitted or pending

**Influenza Forecasting CDC Center of Excellence at Univ. Mass. Amherst** 09/2021-08/2022  
*UMass Amherst, Role: Subrecipient PI, Award Amt: 90,000* *Subcontract (Pending)*

**Covid-19 and Exacerbated Impacts of Air Pollution and Social Inequities on Public Health:  
A Case Study of the Lehigh Valley**

*Lehigh Univeristy Core Proposal, Role: Co-Investigator, Award Amt: 60,000* (Submitted)

**DGE - NSF Research Traineeship (NRT): Catastrophe Modeling**

*NSF, Role: Senior Personnel, Award Amt: 2,400* (Submitted)

Submitted and not funded

**Combining statistical and expert forecasts: testing the impact of expertise on influenza prediction** 2019

**TEACHING**

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**Population Health Data Science II (Upcoming Fall '21)** 2020  
*Lehigh University* Bethlehem, PA

**Population Health Data Science I (Spring '21)** 2021  
*Lehigh University* Bethlehem, PA

**Population Health Data Science I (Fall '20)** 2020  
*Lehigh University* Bethlehem, PA

**Topics in Applied Regression (Fall '19)** 2019  
*Mount Holyoke College* Hadley, MA

**Fundamentals of Calculus II (Summer '16)** 2016  
*University of Vermont* Burlington, VT

**MEDIA, OPINION PIECES, AND EDITORIALS**

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**Aggregating computational and human judgment forecasts** 2020

- **Lehigh News**
  - Forecast: 125,000 fewer U.S. COVID Deaths if Half the Population Initiates Vaccination by March 1
  - Forecast: the Impacts of Vaccines and Variants on the U.S. COVID Trajectory

**Expert judgment forecasting of the early US COVID-19 outbreak** 2020

- **Science Magazine**
  - Surveys of infectious disease experts aim to predict COVID-19's toll
- **Five Thirty Eight**

- Infectious Disease Experts Don't Know How Bad The Coronavirus Is Going To Get, Either
- Experts Say The Coronavirus Outlook Has Worsened, But The Trajectory Is Still Unclear
- Best-Case And Worst-Case Coronavirus Forecasts Are Very Far Apart
- Experts Think We're Flattening The Coronavirus Curve, But Hospitalizations Haven't Peaked Yet
- Experts Think The U.S. COVID-19 Death Toll Will Hit 50,000 By The End Of April
- Infectious-Disease Experts Expect A Surge In Georgia's COVID-19 Cases
- Infectious-Disease Experts Think Texas Will See An Increase In Cases
- **Rolling Stone**
  - Here's How More Than 20 Infectious-Disease Experts See Coronavirus Playing Out in the U.S.
- **The Economist**
  - The hard choices covid policymakers face
- **Vox**
  - Predictions are hard, especially about the coronavirus

## **UNDERGRADUATE RESEARCH STUDENTS AND EXPERIENCES**

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### Undergraduate

#### **Aggregating computational models and human judgment for more accurate forecasts of the US COVID-19 outbreak**

- Damon Luk (Major: Electrical Engineering Minor: Computer Science) Year of graduation:2021
- Allison Codi (Major: IDEAS with concentration in Computer Science and Health, Medicine, and Society, Year of graduation:2022)

### Mountaintop Summer Experience

#### **Mathematical Modeling and Syndromic Surveillance of COVID-19 in Pennsylvania** Summer 2020

- Damon Luk (Major: Electrical Engineering Minor: Computer Science)
- Tariq Faisal Hayat Al-Serhan (Major: Computer engineering)
- Nic Altenderfer (Major: Mechanical engineering)
- Andrew Donnachie (Major: Statistics)
- Jailene Garcia (Major: Bioengineering)
- Alex Kline (Major: IDEAS)
- Kenny Lin (Major: Computer science)
- Eunice Liu (Major: Mathematics)
- Martin Magazzolo (Major: Chemical engineering)
- Michael Nelson (Major: Mathematics)
- Poplar Yang (Major: Bioengineering)

## SUMMARY OF RESEARCH IMPACT

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<b>Number of Citations</b>	2974
<b>Number of total publications</b>	108
<b>Mathematics/Statistics</b>	11
<b>Cardiology</b>	85
<b>Genetics</b>	07
<b>Obstetrics/Gynecology</b>	04
<b>Oncology</b>	01
<b>h-Index</b>	28
<b>i10-index</b>	54

### Mathematics & Statistics

- [Mth1] **Thomas McAndrew**, Nutch Wattanachit, Graham C Gibson, and Nicholas G Reich. Aggregating predictions from experts: A review of statistical methods, experiments, and applications. *Wiley Interdisciplinary Reviews: Computational Statistics*, 13(2):e1514, 2021.
- [Mth2] Kelsey Linnell, Thayer Alshaabi, **Thomas McAndrew**, Jeanie Lim, Peter Sheridan Dodds, and Christopher M Danforth. The sleep loss insult of Spring Daylight Savings in the US is absorbed by Twitter users within 48 hours. *arXiv preprint arXiv:2004.06790*, 2020.
- [Mth3] Andrew A Lover and **Thomas McAndrew**. Sentinel event surveillance to estimate total SARS-CoV-2 infections, United States. *medRxiv*, 2020.
- [Mth4] **Thomas Charles McAndrew** and Nicholas G Reich. An expert judgment model to predict early stages of the COVID-19 outbreak in the United States. *Medrxiv*, 2020.
- [Mth5] **Thomas McAndrew** and Nicholas G. Reich. Adaptively stacking ensembles for influenza forecasting with incomplete data. *arXiv:1908.01675*, Aug 2019. [Manuscript link](#) .
- [Mth6] **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](#) .
- [Mth7] **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](#) .
- [Mth8] **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](#) .
- [Mth9] 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](#) .
- [Mth10] **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](#).

[Mth11] **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] Serdar Farhan, Björn Redfors, Akiko Maehara, **Thomas McAndrew**, Ori Ben-Yehuda, Bernard De Bruyne, Roxana Mehran, Birgit Vogel, Gennaro Giustino, Patrick W Serruys, et al. Relationship between insulin resistance, coronary plaque, and clinical outcomes in patients with acute coronary syndromes: an analysis from the PROSPECT study. *Cardiovascular Diabetology*, 20(1):1–10, 2021.
- [Card2] Maayan Konigstein, Ori Ben-Yehuda, Björn Redfors, Gary S Mintz, Mahesh V Madhavan, Mordechai Golomb, **Thomas McAndrew**, Zixuan Zhang, David E Kandzari, James B Hermler, et al. Impact of Coronary Artery Tortuosity on Outcomes Following Stenting: A Pooled Analysis From 6 Trials. *JACC: Cardiovascular Interventions*, 2021.
- [Card3] Nirat Beohar, Shmuel Chen, Nicholas J Lembo, Adrian P Banning, Patrick W Serruys, Martin B Leon, Marie-Claude Morice, Philippe Genereux, David E Kandzari, Arie Pieter Kappetein, Joseph F Sabik, Ovidiu Dressler, **Thomas McAndrew**, Zixuan Zhang, and Gregg W Stone. Impact of lesion preparation strategies on outcomes of left main PCI: The EXCEL trial. *Catheterization and Cardiovascular Interventions*, 2020.
- [Card4] Behnood Bikdeli, **Thomas McAndrew**, Aaron Crowley, Shmuel Chen, Ghazaleh Mehdipoor, Bjorn Redfors, Yangbo Liu, Zixuan Zhang, Mengdan Liu, Yiran Zhang, et al. Individual patient data pooled analysis of randomized trials of bivalirudin versus heparin in acute myocardial infarction: rationale and methodology. *Thrombosis and haemostasis*, 120(2):348–361, 2020.
- [Card5] Gennaro Giustino, Patrick W Serruys, Joseph F Sabik III, Roxana Mehran, Akiko Maehara, John D Puskas, Charles A Simonton, Nicholas J Lembo, David E Kandzari, Marie-Claude Morice, David P. Taggart, Anthony H. Gershlick, Michael Ragosta, Irving L Kron, Yangbo Liu, Zixuan Zhang, **Thomas McAndrew**, Ovidiu Dressler, Philippe Genereux, Ori Ben-Yehuda, Stuart J. Pocock, Arie Pieter Kappetein, and Gregg W. Stone. Mortality after repeat revascularization following PCI or CABG for left main disease: the EXCEL trial. *Cardiovascular Interventions*, 13(3):375–387, 2020.
- [Card6] Mitchell W Krucoff, Philip Urban, Jean-François Tanguay, **Thomas McAndrew**, Yiran Zhang, Sunil V Rao, Marie-Claude Morice, Matthew J Price, David J Cohen, Mohamed Abdel-Wahab, et al. Global approach to high bleeding risk patients with polymer-free drug-coated coronary stents: the LF II study. *Circulation: Cardiovascular Interventions*, 13(4):e008603, 2020.
- [Card7] Mahesh V Madhavan, Ajay J Kirtane, Björn Redfors, Philippe Généreux, Ori Ben-Yehuda, Tullio Palmerini, Umberto Benedetto, Giuseppe Biondi-Zoccai, Pieter C Smits, Clemens von Birgelen, Roxana Mehran, **McAndrew. Thomas**, Patrick W. Serruys, Martin B. Leon, Stuart J. Pocock, and Gregg W. Stone. Stent-related adverse events > 1 year after percutaneous coronary intervention. *Journal of the American College of Cardiology*, 75(6):590–604, 2020.
- [Card8] Geraldine Ong, Philippe Pibarot, Bjorn Redfors, Neil J Weissman, Wael A Jaber, Raj R Makkar, Stamatios Lerakis, Deepika Gopal, Omar Khalique, Susheel K Kodali, Vinod H. Thourani, Saif Anwaruddin, **Thomas McAndrew**, Yiran Zhang, Maria C. Alu, Pamela S. DOuglas, and Rebecca T. Hahn. Diastolic function and clinical outcomes after transcatheter aortic valve replacement: PARTNER 2 SAPIEN 3 registry. *Journal of the American College of Cardiology*, 76(25):2940–2951, 2020.
- [Card9] Björn Redfors, John Gregson, Aaron Crowley, **Thomas McAndrew**, Ori Ben-Yehuda, Gregg W Stone, and Stuart J Pocock. The win ratio approach for composite endpoints: practical guidance based on previous experience. *European Heart Journal*, 41(46):4391–4399, 2020.



- [Card10] **Thomas McAndrew** and Bjorn Redfors. Re-Thinking the Role of Statistics in Informing Heart Team Decisions: A Consensus Distribution Approach, 2020.
- [Card11] 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.
- [Card12] 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.
- [Card13] 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.
- [Card14] Yanping Cheng, Pawel Gasior, Kamal Ramzipoor, Chang Lee, Jenn C McGregor, Gerard B Conditt, **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.
- [Card15] 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.
- [Card16] 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.
- [Card17] 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.
- [Card18] Matthew T Finn, Björn Redfors, Dimitri Karpaliotis, Ajay J Kirtane, Philip Green, **Thomas McAndrew**, Mengdan Liu, Michael B Cloney, Bernhard Witzenbichler, 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.
- [Card19] Ariel Furer, Shmuel Chen, Bjorn 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.

- [Card20] 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.
- [Card21] 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 mortality in patients with non-anterior ST-segment elevation myocardial infarction: Analysis from the HORIZONS-AMI trial. *Catheterization and Cardiovascular Interventions*, 2019.
- [Card22] 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.
- [Card23] 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.
- [Card24] 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.
- [Card25] 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.
- [Card26] 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.
- [Card27] 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.
- [Card28] 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.

- [Card29] 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.
- [Card30] 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.
- [Card31] 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.
- [Card32] 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.
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