



Publications and Presentations

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Cardiovascular Disease

McCullough PA, Mehta HS, Barker CM, Cork DP, Gunnarsson C, Ryan MP, Baker ER, Van Houten J, Mollenkopf S, Verta P. **The Economic Impact of Mitral Regurgitation on Patients with Medically Managed Heart Failure** *American Journal of Cardiology* Accepted for publication

Prasad A, Amin A, Ryan MP, Gunnarsson C, Brilakis E. **Use of Iso-Osmolar Contrast Media in High Acute Kidney Injury Risk Patients Undergoing Peripheral Revascularization Procedures is Associated with Lower Incidence of Major Adverse Renal or Cardiac Events (MARCE)** Abstract accepted as Oral Presentation at Transcatheter Cardiovascular Therapeutics conference (TCT) in San Francisco CA, September 2019

Amin A, Prasad A, Ryan MP, Gunnarsson C, Brilakis E. **Use of Iso-Osmolar Contrast Media in High AKI Risk Patients Undergoing Endovascular Abdominal Aortic Aneurysm Repair (EVAR) Is Associated with Lower Incidence of Major Adverse Renal or Cardiac Events (MARCE)** Abstract accepted as Moderated Poster Presentation at Transcatheter Cardiovascular Therapeutics conference (TCT) in San Francisco CA, September 2019

Cork DP, McCullough PA, Mehta HS, Barker CM, Van Houten J, Gunnarsson C, Ryan MP, Baker ER, Mollenkopf S, Verta P. **The Economic Impact of Clinically Significant Tricuspid Regurgitation** Abstract accepted as Moderated Poster Presentation at Transcatheter Cardiovascular Therapeutics conference (TCT) in San Francisco CA, September 2019

Osorio J, Hunter T, Rajendra A, Morales G. **Fluoroscopy Minimization and Fluid Reduction with Two Generations of Irrigated Contact Force Ablation Catheter** Abstract accepted as Poster Presentation at Asia Pacific Heart Rhythm Society in Bangkok Thailand, October 2019

Goya M, Frame D, Gache L, Goldstein L, Ichishima Y, Oliveira Tayar D, Lee S. **A Meta-analysis on the Use of Intracardiac Echocardiography (ICE) in Percutaneous Catheter ablation: Impact on Efficiency, Effectiveness and Safety Outcomes** Abstract accepted as Poster Presentation at Asia Pacific Heart Rhythm Society in Bangkok Thailand, October 2019

Mallow PJ, Chen J, Moore M, Gunnarsson C, Rizzo JA. **Incremental Direct Healthcare Expenditures of Valvular Heart Disease in the United States.** *Journal of Comparative Effectiveness Research* 2019 Epub Aug doi:10.2217/ce-2019-0007

Natale A, Boo LM, Verma A. **The quandary of study design in evaluating effectiveness of contact force sensing catheter in atrial fibrillation ablation.** *Europace* Accepted for publication [CTI provided writing support on a Letter to the Editor]

Macle L, Frame D, Gache LM, Monir G, Pollak SJ, Boo LM. **Atrial Fibrillation Ablation with a Spring Sensor Irrigated Contact Force-Sensing Catheter compared to Other Ablation Catheters: Systematic Literature Review and Meta-Analysis.** *BMJ Open* 2019;9:e023775. doi:10.1136/bmjopen-2018-023775

Rajendra A, Hunter T, Morales G, Osorio J. **Feasibility and Safety of Same Day Discharge After Radiofrequency Catheter Ablation For Paroxysmal Atrial Fibrillation** Abstract accepted as Poster Presentation at European Society of Cardiology (ESC) Conference September 2019 in Paris France

Malik R, Malik B, Hunter TD. **Touch-up and recurrence rates after voltage mapping for verification of pulmonary vein isolation following cryoablation of paroxysmal atrial fibrillation.** *J Interv Card Electrophysiol.* 2019. doi: 10.1007/s10840-019-00533-y.

Osorio J, Hunter TD, Bubien RS, Rajendra A, Arciniegas J, Morales G. **Gains in Paroxysmal Atrial Fibrillation Ablation Using a Standardized Workflow to Optimize Contact Force Technologies.** *Journal of Atrial Fibrillation.* 2019;11(4):17-24.

Zei PC, Hunter TD, Gache LM, O'Riordan G, Baykaner T, Brodt CR. **Low-fluoroscopy atrial fibrillation ablation with contact force and ultrasound technologies: a learning curve.** *Pragmat Obs Res.* 2019;10:1-7. doi:10.2147/POR.S181220

Malik R, Malik B, Hunter TD. **Touch-up and Recurrence Rates after Voltage Mapping for Verification of Pulmonary Vein Isolation Following Cryoablation of Paroxysmal Atrial Fibrillation** *Journal of Interventional Cardiac Electrophysiology* 2019 Apr 2. doi: 10.1007/s10840-019-00533-y.

Osorio J, Imhoff RJ, Mallow PJ, Hunter TD, Goldstein L, Rajendra A, Morales G. **Cost Minimization Analysis of Catheter Ablation for Paroxysmal Atrial Fibrillation by Catheter Technology.** *Journal of Comparative Effectiveness Research* 2019 Mar;8(4):241-249. doi: 10.2217/ce-2018-0110

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Cork DP, Mehta HS, Barker CM, Verta P, Ryan MP, Baker ER, Gunnarsson C, Mollenkopf S, Van Houten J, McCullough PA. **The Impact of Mitral Regurgitation on Mortality and Heart Failure Admissions in Newly Diagnosed Heart Failure Patients.** *JACC* 2019;73(9)1131

Rizzo J, Chen J, Moore M, Mallow PJ, Gunnarsson C. **Incremental Direct Healthcare Expenditures of Valvular Heart Disease in the United States.** *Value in Health* May 2019;22, supplement 2, S122

Lee S, Frame D, Kamogawa S, Crivera C. **Systematic Literature Review of Outcomes Associated with Single and Dual Stent-assisted Coil Embolization in Wide-necked Bifurcation Aneurysms.** *Value in Health* May 2019;22, supplement 2, S271

Chu H, Hunter TD, Liu J, He B, Fu G, Feng M, Du X, Yu Y. **Real-World Experience in Atrial Fibrillation Ablation Using a Contact Force Catheter and Stability Module at a High Volume Center in China.** Poster accepted for presentation at the Asia Pacific Heart Rhythm Society Scientific Session (APHRs) October 17-20 2018 in Taipei, Taiwan.

Li S, Gache L, Hunter TD, Long D, Yu R, Sang C, Du X, Dong J, Ma C. **Real-World Clinical Outcomes of Atrial Fibrillation Ablation in China with and without Contact Force Sensing Catheter Technology.** Poster accepted for presentation at the Asia Pacific Heart Rhythm Society Scientific Session (APHRs) October 17-20 2018 in Taipei, Taiwan.

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Brennan MJ, Cohen DJ, Ryan MP, Gunnarsson C, Baker ER, Alexander KP, Arnold SV, Strong SR, Mack MJ. **The Mind-Body Connection: Does Transcatheter Aortic Valve Replacement Reduce the Incidence of New Post-Operative Anxiety and Depression?** Poster presented at Transcatheter Valve Therapies (TVT) 2018 in Chicago II USA

McCullough PA, Todoran TM, Brilakis ES, Ryan MR, Gunnarsson C. **Rate of Major Adverse Renal or Cardiac Events with Iohexol Compared to other Low Osmolar Contrast Media during Interventional Cardiovascular Procedures.** *Catheter Cardiovasc Interv.* 2018;1-8

Ryan MP, Mustapha JA, Gunnarsson C, Martinsen BJ, Adams GL. **The Hospital Burden of Amputation in Patients with Peripheral Artery Disease.** *Value in Health.* 2018;21(Supplement 1):S58-S59.

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Osorio J, Mallow PJ, Hunter TD, Imhoff RJ, Goldstein L, Rajendra A, Morales G. **Cost Minimization Analysis of Catheter Ablation for Paroxysmal Atrial Fibrillation (PAF) by Technology** *Heart Rhythm*. 2018;15(5):S425-426.

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Mallow PJ, Johnson M, Lim L, David G. **The Effect of the Choice of Contrast Media on Renal Failure Events in Inpatient Interventional & Diagnostic Cardiovascular Procedures.** Poster presented at *China Interventional Therapeutics (CIT 2016)*, March 17-20, 2016, Beijing, China.

Mallow PJ, Johnson M, Lim L, David G. **The Effect of the Choice of Contrast Media on Renal Failure Events in Inpatient Cardiovascular Procedures.** Poster presented at the *Cardio-Renal Metabolic Conference (CRSA)*, March 12, 2016, Scottsdale, AZ, USA.

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Mallow PJ, Johnson M, Lim L, David G. **The Effect of the Choice of Contrast Media on Renal Failure Events in Inpatient Cardiovascular Procedures.** Poster presented at *AKI & CRRT 2016 21st International Conference on Advances in Critical Care Nephrology*, February 16-19, 2016, San Diego, CA, USA.

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David G, Saynisch PA, Smith-McLallen A. **The Inner Workings of the Patient-Center Medical Home Model.** Abstract presented as part of an oral presentation entitled “The Economics of Patient-Centered Medical Homes” at the conference of the *America Society of Health Economists (ASHEcon)*, June 12-15, 2016, University of Pennsylvania, Philadelphia, PA, USA.

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Laires PA, Conceição J, Araújo F, Dores J, Silva C, Nogueira AM **Custo de atendimento no serviço de urgência: Dados oficiais versus mundo real - Análise de microcustos aplicada à hipoglicémia** [Cost of care in the emergency department: Official data versus real world data - Microcosts analysis applied to hypoglycemia]. Poster presented at *14^o CNES Oct 15-16 2015. Lisbon, Portugal.*

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David G, Gunnarsson C, Saynisch PA, Chawla R, Nigam S. **Do Patient-Centered Medical Homes Reduce Emergency Department Visits?** Presented at the Department of Epidemiology Seminar. *Columbia University Mailman School of Public Health* December 6, 2013, New York, NY, USA.

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