



Publications and Presentations

Cancer

Puduvalli VK, Villano JL, Wise-Draper TM, Morris J, Rixe O, Johnson AN, Giglio P, Otero J. **High-Grade Glioma outcomes in the Phase 1 BXQ-350 trial of cancer-selective SapC-DOPS nanovesicles.** Poster accepted for presentation and etalk at the Society for Neuro-Oncology (SNO) 2018 Annual Meeting November in New Orleans

Puduvalli VK, Villano JL, Wise-Draper TM, Morris J, Johnson AN, SantaCruz K, Kerwin A, Cline-Parhamovich K, Dupis E, Mabray M, Rixe O. **Initial Experience in Ependymoma with Investigational Cancer-Targeting BXQ-350 SapC-DOPS Nanovesicles: A rare tumor case study.** Poster accepted for presentation at the Society for Neuro-Oncology (SNO) 2018 Annual Meeting November in New Orleans

Ng CS, Kalva SP, Gunnarsson C, Ryan MP, Baker ER, Dunham DM, Rangwala NA, Mehta RL. **Renal Events Following Intravenous Iodinated Contrast Media Administration among Inpatients Admitted with Cancer.** Accepted for oral presentation at the International Cancer Imaging Society Meeting & 18th Annual Teaching Course 7-9th October 2018 Menton, France

Ng CS, Kalva SP, Gunnarsson C, Ryan MP, Baker ER, Mehta RL. **Risk of Renal Events Following Intravenous Iodinated Contrast Material Administration among Inpatients Admitted with Cancer: a Retrospective Hospital Claims Analysis.** *Cancer Imaging* 2018;18:30 doi: 10.1186/s40644-018-0159-3

Rixe O, Morris JC, Puduvalli VK, Villano JL, Wise-Draper TM, Muller C, Johnson AN, Wesolowski R, Qi X. **First-in-human, first-in-class phase 1a study of BXQ-350 for solid tumors and gliomas.** Poster Discussion Panel Session. American Society of Clinical Oncology (ASCO) Annual Meeting 2018.

Qi W, Davis HW, Chu Z, Vallabhapurapu, SD, Hussain N, Franco RS, Morris JC, Johnson AN, Olowokure, OO. **Combined effect of gemcitabine (GEM) and sapC-DOPS nanovesicles on pancreatic ductal adenocarcinoma (PDAC) in mice.** Accepted for publication 2018 ASCO Annual Meeting Proceedings

Cruze CA, Rixe O, Morris JC, Puduvalli VK, Villano JL, Wise-Draper TM, Johnson AN, Wesolowski R, Thompson GA. **Allometric scaling of preclinical pharmacokinetic and toxicokinetic parameters to predict clinical pharmacokinetics of BXQ-350 saposin C protein-phosphatidylserine nanovesicles.** Accepted for publication 2018 ASCO Annual Meeting Proceedings

Cruze CA, Rixe O, Morris JC, Puduvalli VK, Villano JL, Wise-Draper TM, Johnson AN, Wesolowski R. **Absence of indicators of hypercoagulability and antiphospholipid syndrome in bxq-350 first in human study.** Accepted for publication 2018 ASCO Annual Meeting Proceedings

Maluf FC, Cubero D, de Oliveira FAM, Liedke PER, Brust L, Inocência CG, Monteiro FSM. **Cabazitaxel plus prednisone and prophylaxis of neutropenia complications in the treatment of metastatic castration-resistant prostate cancer after failure to docetaxel: A multicenter, noncomparative, open-label, phase IV study.** *Annals of Oncology* (2017) 28 (suppl_5): v269-v294. 10.1093/annonc/mdx370. ESMO 2017 Congress

Irish W, Ryan M, Gache L, Gunnarsson C, Bell T, Shapiro M. **Acute Myeloid Leukemia: A Retrospective Claims Analysis of Resource Utilization and Expenditures for Newly Diagnosed Patients From First-Line Induction to Remission and Relapse.** *Curr Med Res Opin.* 2017;33(3):519-527.

Irish W, Ryan MP, Gache LM, Gunnarsson C, Bell T, Shapiro M. **Acute Myeloid Leukemia: A Retrospective Claims Analysis of Resource Utilization and Expenditures for De Novo Patients from First Line Induction to Remission and Relapse.** *Value Health.* 2016;19(3):A166.

Sousa G, Mansinho H, Figueiredo A, Fraga A, Sousa N. **Advanced Renal Cell Carcinoma in Previously Treated Patients: Measuring Healthcare Use, Productivity Loss And Costs.** *Value Health.* 2016;19(7): A611.

Lúcio P, Afonso C, Carvalho S, Esteves G, Gerales C, Gonçalves C, Jacinto F, João C, Macedo A, Mariz M, Marques H, Montalvão A, Trigo F, Silva C, Bragança F, Cruz P, Gonzalez-McQuire S, Schoen P, Scripcaru G. **Tratamento do Mieloma Múltiplo Em Recaída Em Portugal: Descrição Da Prática Clínica.** [Treatment of Relapsed Multiple Myeloma in Portugal: Clinical Practice Description] Poster presented at Reunião anual da Sociedade Portuguesa de Hematologia, Nov 17-19, 2016.

Goldberg SL, Su Y, Gunnarsson C, Irish WD, Ryan M, Woloj M, Ferdinand R, Shapiro M. **The Effect of Vascular Occlusive Events on Discontinuation and Cost of Care in Patients Treated with Tyrosine Kinase Inhibitors in Chronic Myeloid Leukemia.** *Blood.* 2015;126(23):2797.

Irish WD, Ryan M, Gache L, Gunnarsson C, Bell T, Shapiro M. **Acute Myeloid Leukemia (AML): A Retrospective Claims Analysis of Resource Utilization and Expenditures.** *Blood.* 2015;126(23):5633.

Mallow PJ, Chen J, Rizzo JA, Penrod JR, Trudel GC. **The Direct Healthcare Expenditures of Prostate Cancer by Disease Severity: Evidence from US National Survey Data.** *JHEOR*. 2015;3(1):83-96.

Goldberg SL, Su Y, Frame D, Ryan M, Irish WD, Gunnarsson C, Woloj M, Ferdinand R, Shapiro M. **Patient characteristics and adverse events (AEs) of tyrosine kinase inhibitors (TKIs) for the treatment of chronic myeloid leukemia (CML) in real world settings.** *Haematologica*. 2015;100(s1):441.

Goldberg SL, Su Y, Frame D, Ryan M, Irish WD, Gunnarsson C, Woloj GM, Ferdinand R, Shapiro M. **Patient characteristics and adverse events (AEs) of tyrosine kinase inhibitors (TKIs) for the treatment of chronic myeloid leukemia (CML) in real world settings.** *J Clin Oncol*. 2015;33(15_suppl):e18026.

Pista A, de Oliveira CF, Lopes C, Cunha MJ, Groupa CPS. **Human papillomavirus type distribution in cervical intraepithelial neoplasia grade 2/3 and cervical cancer in Portugal: a CLEOPATRE II Study.** *Int J Gynecol Cancer*. 2013;23(3):500-6.

Mallow PJ, Chen J, Rizzo JA, Zyczynski TM, Penrod JR, Trudel GC. **The direct healthcare cost of prostate cancer: evidence from US national survey data.** *Value Health*. 2013;16(3):A135.

Chen J, Mallow PJ, Rizzo JA, Zyczynski TM, Trudel GC, Penrod JR. **Cost of lost productivity due to prostate cancer: evidence from US national survey data.** *Value Health*. 2013;16(3):A135.

Rizzo JA, Chen J, Penrod JR, Mallow PJ, Trudel GC, Zyczynski TM. **The labor productivity effects of prostate cancer patients on spouses and other family members: evidence from US national survey data.** *Value Health*. 2013;16(3):A135.

Le TK, Zhang Y, Zyczynski TM. **Cost of metastatic castration-resistant prostate cancer in the United States.** *Value Health*. 2013;16(3):A136.

Zyczynski TM, Trudel GC, Chen J, Mallow PJ, Penrod JR, Rizzo JA. **The impact of prostate cancer on quality of life.** *Value Health*. 2013;16(3):A136.

Cardiovascular Disease

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.

Du Z, Gache L, Hunter TD, Guo J, Zheng L, Ding L, Liang E, Yao Y. **Real-World Clinical Outcomes of Atrial Fibrillation Ablation Using Contact Force Sensing Technology in China.** Poster accepted for presentation at the Asia Pacific Heart Rhythm Society Scientific Session (APHRs) October 17-20 2018 in Taipei, Taiwan.

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.** *Catheterization and Cardiovascular Interventions* 2018 Accepted for publication.

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.

Hunter TD, Muirheid L. **The Impact of the Centers for Medicare and Medicaid Services (CMS) 2016 Update to the Two-Midnight Rule On Inpatient/Outpatient Status and Length of Stay for Cardiac Ablation Procedures.** *Value in Health.* 2018;21(Supplement 1):S67.

Keuffel E, McCullough PA, Todoran TM, Brilakis ES, Palli SR, Ryan MP, Gunnarsson C. **The effect of major adverse renal cardiovascular event (MARCE) incidence, procedure volume, and unit cost on the hospital savings resulting from contrast media use in inpatient angioplasty.** *J Med Econ.* 2018 Apr;21(4):356-364.

Gerdisch MW, Robinson S, David G, Makepeace S, Ryan MP, Gunnarsson C. **Clinical and Economic Benefits of Advanced Microplegia Delivery System in Cardiac Surgery: Evidence from 250 Hospitals** *Journal of Comparative Effectiveness Research* 2018 Epub ahead of print 2018 Apr

Malik R, Hunter TD, Parks C, Malik BR. **Touch-up and Recurrence Rates After Voltage Mapping for Verification of Pulmonary Vein Isolation (PVI) Following Cryoablation (CA) of Paroxysmal Atrial Fibrillation (PAF)** *Heart Rhythm*. 2018;15(5):S538.

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.

McCullough PA, David G, Todoran T, Brilakis ES, Ryan MP, Gunnarsson C. **Iso-Osmolar Contrast Media and Adverse Renal and Cardiac Events after Percutaneous Cardiovascular Intervention.** *J Comp Eff Res*. 2018 Apr;7(4):331-341

McCullough PA, David G, Todoran T, Brilakis ES, Ryan MP, Gunnarsson C. **Iso-Osmolar Contrast Media and Adverse Renal and Cardiac Events after Percutaneous Cardiovascular Intervention.** *Value Health*. 2017;20(9):A572.

Jarman JW, Hunter TD, Hussain W, March JL, Wong T, Markides V. **Stroke rates before and after atrial fibrillation ablation and in propensity-matched controls in the UK.** *Pragmat Obs Res*. 2017;8:107-118.

Jarman JW, Hunter TD, Hussain W, March JL, Wong T, Markides V. **Mortality, stroke and heart failure in atrial fibrillation cohorts after ablation versus propensity-matched cohorts.** *Pragmat Obs Res*. 2017;8:99-106.

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Biviano AB, Hunter TD, Dandamudi G, Fishel RS, Gidney B, Herweg B, Oza SR, Patel AM, Wang H, Pollak SJ. **Healthcare Utilization and Quality of Life Improvement after Ablation for Paroxysmal AF in Younger and Older Patients.** *Pacing Clin Electrophysiol.* 2017;40(4):391-400.

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Moore M, Chen J, Mallow PJ, Rizzo JA. **The direct health-care burden of valvular heart disease: evidence from US national survey data.** *Clinicoecon Outcomes Res.* 2016;8:613-627.

Moore, M, Barnhart GR, Chitwood WR Jr., Rizzo JA, Gunnarsson C, Palli SR, Grossi EA. **The Economic Value of Rapid Deployment Aortic Valve Replacement via Full Sternotomy.** *Value Health.*2016;19(7):A645.

Lebehn M, Hunter T, Clancy S, Spies C. **Effects of anesthesia on cost and length of stay in patients undergoing Transcatheter Aortic Valve Replacement (TAVR) – Results from a Cohort Study.** *J Am Coll Cardiol.* 2016;68(18_S):B278.

Lebehn M, Hunter T, Clancy S, Spies C. **A comparison of the effects on length of stay and cost with percutaneous versus surgical cutdown femoral artery access in patients undergoing Transcatheter Aortic Valve Replacement – Results from a Cohort Study.** *J Am Coll Cardiol.* 2016;68(18_S):B152.

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Hunter TD, Palli SR, Rizzo, JA. **Cost comparison of radiofrequency catheter ablation versus cryoablation for atrial fibrillation in hospitals using both technologies.** *J Med Econ.* 2016;19(10):959-964.

Clancy S, Womeldorff J, Ryan MP. **Operating Room Variable Cost of Transcatheter Aortic Valve Replacement.** *Value Health.* 2016;19(3):A47.

Ladapo JA, Turakhia MP, Ryan MP, Mollenkopf SA, Reynolds ME. **Healthcare Utilization and Expenditures Associated With Remote Monitoring in Patients With Implantable Cardiac Devices.** *Am J Cardiol.* 2016;117(9):1455-1462.

Hunter TD, Palli S, Mallow PJ, Rizzo, JA. **Cost Comparison of Radiofrequency Catheter Ablation versus Cryoablation for Atrial Fibrillation in Hospitals Using Both Technologies.** *Heart Rhythm.* 2016;13(Supplement 5):S120.

Mallow PJ, Johnson M, Lim L, David G. **Contrast Media Selection in Inpatient Interventional Cardiovascular Procedures.** Oral presentation 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 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.

Mallow PJ, Chen J, Moore M, Rizzo JA. **The Direct Healthcare Expenditures of Mitral Valve Disease: Evidence From US National Survey Data.** *Circ Cardiovasc Qual Outcomes.* 2016;9(Suppl_2):A258.

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Chyou JY, Hunter TD, Mollenkopf SA, Turakhia MP, Reynolds MR. **Individual and Combined Risk Factors for Incident Atrial Fibrillation and Incident Stroke: An Analysis of 3 Million At-Risk US Patients.** *J Am Heart Assoc.* 2015;23;4(7):e001723.

Khaykin Y, Mallow PJ, Rizzo JA, Verma A, Chun L, Olesovsky S, Reynolds MR. **Cost-effectiveness of Catheter Ablation versus Antiarrhythmic Drug Therapy for the Treatment of Atrial Fibrillation: A Canadian Perspective.** *JHEOR.* 2015;3(1):1-12.

Mallow P, Ryan M, Johnson M, Lim L, David G. **The effect of the choice of contrast media on MARCE events in angioplasty procedures.** *EuroIntervention.* 2015. Abstracts EuroPCR May 2015:POS062.

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Nazarian S, Reynolds MR, Ryan MP, Wolff SD, Mollenkopf S, Turakhia MP. **Evidence of a gap in care: utilization of Radiologic Diagnostic imaging in patients with and without implantable defibrillators.** *Value Health.* 2015;18(3):A47.

Gunnarsson C, Lim S, David G, Riebman JB, Martin L, Kocharian R. **The Incremental Cost of Reoperations for Bleeding Events in Cardiac and Vascular Reconstructive Surgery.** *Value Health.* 2015;18(3):A140.

Rizzo JA, Chen J, Mallow PJ, Moore M. **The Total Direct Healthcare Cost of Aortic and Mitral Valvular Disease: Evidence from US National Survey Data.** *Value Health.* 2015;18(3):A144.

Jarman JWE, March JL, Hunter TD. **Stroke Rates after Pulmonary Vein Isolation Ablation versus a Matched Control Cohort.** *Heart Rhythm.* 2015;12(Supplement 5):S428.

Jarman JWE, March JL, Boo LM, Hunter TD **Comparison of Stroke and Heart Failure Survival in a Large UK Population with Atrial Fibrillation Treated with Pulmonary Vein Isolation Ablation versus a Matched Control Cohort.** *Heart Rhythm.* 2015;12(Supplement 5):S429.

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Mallow P, Ryan M, Johnson M, Lim L, David G. **The Effect of the Choice of Contrast Media on Renal Failure Events in Angioplasty Procedures.** *Catheter Cardiovasc Interv.* 2015;85(Supplement S2):S37

Grossi EA, Moore M, Mallow PJ, Rizzo JA. **The Cost of an Operating Room Minute for Heart Valve Procedures.** *JHEOR.* 2015;2(2):170-80.

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Khaykin Y, Mallow PJ, Rizzo JA, Verma A, Chun L, Olesovsky S, Reynolds MR. **Cost-effectiveness of Catheter Ablation vs. Antiarrhythmic Drug Therapy for the Treatment of Atrial Fibrillation: A Canadian Perspective.** *Heart Rhythm* 2014;11(5):S1-S626.

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Hunter TD, Quiroz ME, Gunnarsson C, Mollenkopf SA. **Characterization of Ischemic Stroke Patients and Second Stroke Rates by Risk Scores.** *Value Health*. 2014;17(3):A104.

Mallow PJ, Rowlandson I, Tasic D. **Outpatient Visits to the Cath Lab for Coronary Angiography Resulting in Minimal Action in the Short Term.** *Value Health*. 2014;17(3):A153.

Moore M, Mallow PJ, Rizzo JA. **The Variable Cost of an Operating Room Minute for Valvular Procedures.** *Value Health*. 2014;17(3):A112.

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Rodriguez R, Malaisrie SC, Mehall JR, Salemi A, Ailawadi G, Ryan W, Moore M, Gunnarsson C, Grossi EA. **Impact of surgical approach for aortic replacement on outcomes and cost: a multi-institution analysis of "real world" data.** Podium presentation at *The Society of Thoracic Surgeons (STS) 50th Annual Meeting* January 25-29, 2014, Orlando, FL, USA.

Phiri D, Mallow P, Rizzo JA. **The Cost Effectiveness of Hand Held Ultrasound Scanning for Abdominal Aortic Aneurysm in Older Males with a History of Smoking.** *JHEOR* 2013;1(2):96-107.

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