

Annual Report of the Academic Output of DCRI Clinical Research Fellows

Academic Year: July 2020 – June 2021

Training

Medical School (2012-2017): Icahn School of Medicine at Mount Sinai, New York, NY

Intern Plastic and Reconstructive Surgery (2017-2018): Duke University Medical Center, Durham, NC

Integrated Vascular Surgery Residency (2018-2025, anticipated): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2019-2021): Duke Clinical Research Institute, Durham, NC

Awards/Grants

DCRI Robert A. Harrington Excellence in Fellowship Award, June 2021

NHLBI 1F32HL151181-01A1, Principal Investigator, addressing variability in peripheral arterial disease outcomes using machine learning techniques, 09/2020 – 06/2022

Duke Institute for Health Innovation Project, Principal Investigator, Improving equity and value of peripheral artery disease care at a population level, 04/2021 – 04/2022

Joint Liability Steering Committee Safety Grant, Co-Principal Investigator, Improving surgeon/interventionalist pain and injury with a targeted movement intervention, 05/2021 – 04/2022

Women as One Escalator Award, Co-Investigator, Validating the Peripheral Artery Questionnaire in a diverse patient population with symptomatic peripheral artery disease, 07/2021 – 06/2022

Vascular Cures Collaborative Patient-Centered Research Program, Co-Investigator, Validating the Peripheral Artery Questionnaire and Vascular Quality of Life Questionnaire in a population of patients with chronic limb threatening ischemia, 07/2021 – 06/2022

PCORI Engagement Award Contract # 21136-VC, Junior Investigator, Working Group to Enable Chronic Limb-threatening Ischemia (CLTI) Patient Engagement in PCOR/CER, 07/2021 – 06/2022

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences: Duke University School of Medicine, Durham, NC (anticipate degree 2021)

ZACHARY WEGERMANN – CO-CHIEF FELLOW

Training

Medical School (2010-2014): The George Washington University School of Medicine, Washington, DC

Residency (2014-2017): Duke University Medical Center, Durham, NC

Clinical Fellowship (2017-present): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2019-2021): Duke Clinical Research Institute, Durham, NC

Awards/Grants

DCRI Fellowship Citizenship Award, June 2021

ANTHONY CARNICELLI, MD

Training

Doctor of Medicine (2010-2014): University of Rochester School of Medicine and Dentistry, Rochester, NY

Internship in Internal Medicine (2014-2015): Brigham and Women's Hospital, Boston, MA

Residency in Internal Medicine (2015-2017): Brigham and Women's Hospital, Boston, MA

Clinical Cardiology Fellowship (2017-2021): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2019-2021): Duke Clinical Research Institute, Durham, NC

Awards/Grants

National Institutes of Health Loan Repayment Program Award (2018-2021)

National Institutes of Health T32 Training Grant (2019-2021)

DEREK CHEW, MD

Training

Medical School (2007-2011): University of Toronto, Toronto, Ontario, Canada

Internal Medicine Residency (2011-2014): University of Calgary, Calgary, Alberta, Canada

Clinical Cardiology Fellowship (2014-2017): University of Calgary, Calgary, Alberta, Canada

Cardiac Electrophysiology Fellowship (2017-2019): University of Calgary, Calgary, Alberta, Canada

Clinical Research Fellowship (2019-2021): Duke Clinical Research Institute, Durham, NC

Awards/Grants:

Canadian Institutes of Health Research Banting Post-Doctoral Fellowship (2019-2021): Salary Support

Quantitative Training:

London School of Economics and Political Science (2017-2020): MSc (Health Economics, Outcomes and Management in Cardiovascular Sciences)

SARAH JANE COMMANDER, MD

Training

Medical School (2013-2017): Baylor College of Medicine, Houston, TX

Residency (2017-present): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2019-2021): Duke Clinical Research Institute, Durham, NC

Pediatric Clinical Pharmacology Fellow, Duke-UNC Clinical Pharmacology T32 Research Fellowship (2019-2021): Eunice Kennedy Shriver National Institute of Child Health and Human Development

Awards/Grants

The Thrasher Foundation Early Career Award (2020-2022)

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2020-2022)

T32GM086330: Duke-UNC Clinical Pharmacology T32 Research Fellowship Award (2019-2021)

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences in Clinical Research: Duke University School of Medicine, Durham, NC (Awarded May 2021)

Training

Medical School (2010-2014): Tufts University School of Medicine, Boston, MA

Residency (2017-2017): University of Maryland, College Park, MD

Clinical Infectious Disease Fellowship: Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

- HeRO HCQ: Healthcare Worker Exposure Response and Outcomes of Hydroxychloroquine Trial
PI: Susanna Naggie and Adrian Hernandez
Time involved: 6/2020-present
% Effort: 58% (averaged over the course of the year)
- ACTIV-6: COVID-19 study of repurposed medications
PI: Susanna Naggie
Time involved: 6/2021-present
% Effort: 25% (over the next two years)

Quantitative Training:

Clinical Research Training Program, Masters of Health Sciences in Clinical Research, Duke University School of Medicine, Durham, NC (anticipated August 2021)

MICHELLE KELSEY, MD

Training:

Medical School (2011-2015): University of Connecticut School of Medicine, Farmington, CT

Internal Medicine Residency (2015-2018): Beth Israel Deaconess Medical Center, Boston, MA

Cardiovascular Disease Fellowship (2018-present): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-present): Duke Clinical Research Institute, Durham, NC

Awards/Grants:

NIH T32 Training Grant, Received salary support from the Division of Cardiology Institutional Training Award (2020-2022)

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2020)

Duke Clinical Research Institute Co-Chief Research Fellow (2021-2022)

Quantitative Training:

Clinical Research Training Program, Masters of Health Sciences in Clinical Research, Duke University School of Medicine, Durham, NC (anticipated May 2022)

CAITLIN KING, MD

Medical School (2011-2015): University of Arkansas for the Medical Sciences, Little Rock, AR

Pediatric Residency (2015-2018): Penn State Health Medical Center, Hershey, PA

Pediatric Chief Residency (2018-2019): Duke University Medical Center, Durham, NC

Pediatric Critical Care Medicine Fellowship (2019-2022): Duke University Medical Center, Durham, NC

Clinical Pharmacology Fellowship (2020-2022): University of North Carolina, Chapel Hill, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

T32 UNC-Duke Clinical Collaborative Clinical Pharmacology Postdoctoral Training Program, Ruth L. Kirchstein National Research Service Award training program (NOT-OD-20-070) (2020-2021)

Quantitative Training

Clinical Pharmacology Coursework, University of North Carolina, Chapel Hill, NC

Clinical Pharmacology Training Program, NIH ORC

Medical School (2011-2015): University of North Carolina, Chapel Hill, NC

Pediatric Residency (2015-2018): Duke University Medical Center, Durham, NC

Pediatric Chief Residency (2018-2019): Duke University Medical Center, Durham, NC

Pediatric Rheumatology Fellowship (2019-2022): Duke University Medical Center, Durham, NC

Clinical Pharmacology Fellowship (2020- present): University of North Carolina, Chapel Hill, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

- Thrasher Research Fund Early Career Award (\$25k, 1/1/21-12/31/22)
- Duke Kids Care Grant Parent & Family Education Project (\$1k, 2/20-21)
- NIH Loan Repayment Program for Pediatric Extramural Research through NIAMS (\$50k off student loans for 2 years)

Quantitative Training

Clinical Research Masters of Science, University of North Carolina Chapel Hill School of Public Health, Chapel Hill, NC (anticipated graduation, Fall 2023)

VISHAL RAO, MD

Training

Medical School (2010-2015): University of North Carolina School of Medicine, Chapel Hill, NC

Graduate School (2013-2014): University of North Carolina, Gillings School of Global Public Health, Chapel Hill, NC

Residency (2015-2018): Osler Medical Residency Training Program, Johns Hopkins Hospital, Baltimore, MD

Clinical Fellowship (2018-present): Cardiovascular Disease Fellowship Training Program, Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2019-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

American Heart Association Early Career Investigator Award 2021

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2021-2022)

The Walter L. Floyd, MD Endowed Fellowship in Cardiology for Clinical Excellence (2021)

MARC SAMSKY, MD

Training

Medical School (2009-2013): Duke University School of Medicine, Durham NC

Residency (2013-2016): Duke University Medical Center, Durham, NC

Chief Resident (2017-2018): Duke University Medical Center/Durham Veterans Affairs Health System, Durham, NC

Clinical Fellowship (2016-2017, 2018-2019): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2019-2021): Duke Clinical Research Institute, Durham, NC

Awards/Grants

NIH T32 Training Grant (2019-present)

Boston Scientific BD-STAR Grant: \$53,000 for project titled "Use of the multi-sensor HeartLogic algorithm for heart failure monitoring in patients with LVADs" (2020)

Duke School of Medicine Core Research Voucher: \$10,000 for project titled "The Duke LVAD Microbiome Project" (2020)

DCRI Eric D. Peterson Fellowship Manuscript Award, June 2021

Training

Medical School (2010-2014): Howard University College of Medicine, Washington, DC

Residency (2014-2017): Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY

Chief Residency (2017-2018): Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY

Clinical Nephrology Fellowship (2018-2021): Duke University School of Medicine, Durham, NC

Clinical Research Fellowship (2019-2021): Duke Clinical Research Institute, Durham, NC

Awards

3rd Place in Clinical Research Category for presentation during the National Kidney Foundation 15th Annual National Young Investigators' Forum virtual meeting

NIDDK T32-DK007731 (Duke Nephrology Divisional Training Grant)

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences: Duke University School of Medicine, Durham, NC (anticipate degree 2021)

2020-2021 Duke Health Disparities Research Curriculum-Non-degree program

2021 NIDDK/NHMA Academic Career Development Program-Non-degree program

2021 NMRI Annual Workshop-Non-degree program

ISAAC SMITH, MD

Training

Medical School (2012-2016): Wake Forest School of Medicine, Winston-Salem, NC

Residency (2016-2019): Massachusetts General Hospital, Boston, MA

Clinical Fellowship (2019-present): Rheumatology Fellowship, Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

Duke Clinical Research Institute Executive's Director Pathway Research Fellows Award (2021-2022)

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences: Duke University School of Medicine, Durham, NC (anticipate degree 2022)

ANDREW VEKSTEIN, MD

Training

Medical School (2013-2017): Case Western Reserve University School of Medicine, Cleland, OH

Integrated Cardiothoracic Surgery Residency (2017-expected graduation 2025): Duke University Medical Center, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham, NC

Awards/Grants

2021-2022 Duke Clinical Research Institute Co-Chief Research Fellow

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences in Clinical Research: Duke University School of Medicine, Durham, NC (anticipated degree 2022)

Training

Medical School (2011-2016): Stony Brook University School of Medicine, Stony Brook, NY

Residency (2016-2020): Duke Psychiatry Residency Training Program, Duke University Medical Center, Durham, NC

Clinical Research Fellowships (dual):

VA Advanced Fellowship in Mental Illness Research and Treatment, Mid-Atlantic (VISN 6) Mental Illness Research, Education, and Clinical Center (MIRECC) (2020-2021): Durham Veterans Affairs Healthcare System, Durham, NC

Clinical Research Fellowship (2020-2022): Duke Clinical Research Institute, Durham

Awards/Grants

Career Development Award (CDA-1) IK1 CX002187 (07/2021-07/2023)

U.S. Department of Veterans Affairs, VA Clinical Science Research and Development (CSR&D) \$429,000

Title: Neuroimaging correlates and feasibility of transcranial magnetic stimulation to improve smoking cessation outcomes in veterans with PTSD. The goal of this project is to evaluate the feasibility and acceptability of fMRI-guided rTMS as an adjunctive treatment to cognitive behavioral therapy for smoking cessation and nicotine replacement in veterans with PTSD.

Quantitative Training

Clinical Research Training Program, Masters of Health Sciences: Duke University School of Medicine, Durham, NC

Carnicelli AP, Mentz RJ. Sodium-glucose cotransporter 2 inhibitors in patients with heart failure with reduced ejection fraction: The heart and kidney working better together. *Circulation* 2021;143(4):322-325. PMID: 33493029

Carnicelli AP, Hong H, Giugliano RP, Connolly SJ, Eikelboom J, Patel MR, Wallentin L, Morrow DA, Wojdyla D, Hua K, Hohnloser SH, Oldgren J, Ruff CT, Piccini JP, Lopes RD, Alexander JH, Granger CB. Individual patient data from the pivotal randomized controlled trials of non-vitamin K antagonist oral anticoagulants in patients with atrial fibrillation (COMBINE AF): Design and Rationale. *Am Heart J* 2021;233:48-58. PMID: 33296688

Miller PE, Chouairi F, Thomas A, Kunitomo Y, Aslam F, Canavan M, Murphy C, Daggula K, Metkus T, Vallabhajosyula S, **Carnicelli AP**, Katz JN, Desai N, Ahmad T, Velazquez E, Brennan J. Transition from an open to closed staffing model in the cardiac intensive care unit improves clinical outcomes. *J Am Heart Assoc* 2021;10(3):e018182. PMID: 33412899

Carnicelli AP, Clare R, Chiswell K, Lytle B, Bjursell M, Perl S, Andersson K, Hedman K, Pagidipati N, Vemulapalli S, Roe M, Mentz RJ. Comparison of characteristics and outcomes of patients with heart failure with preserved ejection fraction with versus without hyperuricemia or gout. *Am J Cardiol* 2020;127:64-72. PMID: 32386813

Carnicelli AP, Al-Khatib SM, Xavier D, Dalgaard F, Merrill PD, Wojdyla DM, Lewis BS, Hanna M, Alexander JH, Lopes RD, Wallentin L, Granger CB. Premature permanent discontinuation of Apixaban or Warfarin in patients with atrial fibrillation. *Heart* 2021;107(9):713-720. PMID: 32938772

Carnicelli AP, Sun JL, Alhanti B, Bjursell M, Perl S, Lytle B, Roe MT, Mentz RJ. Elevated uric acid prevalence and clinical outcomes in patients with heart failure with preserved ejection fraction: Insights from RELAX. *Am J Med* 2020;133(12):e716-e721. PMID: 32416181

Lawler PR, Berg DD, Park JG, Katz JN, Baird-Zars VM, Barsness GW, Bohula EA, **Carnicelli AP**, Chaudhry SP, Jentzer JC, Menon V, Metkus T, Nativi-Nicolau J, Phreaner N, Sinha SS, Teuteberg JJ, van Diepen S, Morrow DA; Critical Care Cardiology Trials Network Investigators. The range of cardiogenic shock survival by clinical stage: Data from the Critical Care Cardiology Trials Network Registry. *Crit Care Med* 2021. (Online ahead of print) PMID: 33861557

Nelson AJ, Ardissino M, Haynes K, Shambhu S, Eapen Z, McGuire DK, **Carnicelli AP**, O'Brien EC, Lopes RD, Green JB, Pagidipati NJ, Granger CB. Gaps in evidence-based therapy use in insured patients in the United States with Type 2 diabetes and atherosclerotic cardiovascular disease: *J Am Heart Assoc* 2021;10(2):e016835. PMID: 33432843

Carnicelli AP, Lippmann SJ, Greene SJ, Mentz RJ, Greiner MA, Hardy NC, Hammill BG, Shen X, Yancy CW, Peterson PN, Allen LA, Fonarow GC, O'Brien EC. Sacubitril/Valsartan initiation and post-discharge adherence among patients hospitalized for heart failure. *J Card Fail* 2021;27(8):826-836. PMID: 34364659

Lawler P, Berg DD, Park JG, Katz JN, Baird-Zars V, Barsness GW, Bohula E, **Carnicelli AP**, Chaudhry SP, Jentzer J, Menon V, Metkus T, Nativi-Nicolau J, Phreaner N, Sinha S, Teuteberg J, van Diepen S, Morrow DA, Critical Care Cardiology Trials Network Investigators. The range of cardiogenic shock survival by clinical stage: Data from the Critical Care Cardiology Trials Network (CCCTN) Registry. *Crit Care Med* 2021;49(8):1293-1302. PMID: 33861557

Chew DS, Mark DB. Dapagliflozin: Does cost make 4-pillar heart failure therapy too herculean a labor for medicine? *JAMA Cardiol* 2021. (Online ahead of print) PMID: 34037664

Chew DS, Manga S, Sumner GL, Kavanagh KM, Howarth AG, Lydell C, White JA, Cowan K, Roberts A, Rowlandson G, Meng JX, Exner DV. A novel high-resolution surface electrocardiographic method to identify and characterize myocardial scar: A Proof-of-Concept Study. *CJC Open* (in press). Online May 2021

Sheldon RS, Lei LY, Solbiati M, **Chew DS**, Raj SR, Costantino G, Sandhu RK. Electrophysiological studies for predicting atrioventricular block in patients with syncope: A systematic review and meta-analysis. *Heart Rhythm* 2021:S1547-5271(21)00349-0. (Online ahead of print) PMID: 33887450

Mponponsuo K, Leal J, Puloski S, **Chew D**, Chavda S, Au F, Rennert-May E. Economic burden of surgical management of surgical site infections following hip and knee replacements in Calgary, Alberta. *Infect Control Hosp Epidemiol* 2021;1-8. (Online ahead of print) PMID: 34080534

Arcinas L, **Chew D**, Seifer CM, Baranchuk A, Exner DV, Supel I, Boles U, McIntyre WF. Predictors of appropriate shock after generator replacement in patients with an implantable cardioverter defibrillator. *Pacing Clin Electrophysiol* 2021;44(5):911-918. PMID: 33826179

Bourne KM, **Chew D**, Stiles L, Shaw BH, Shibao CA, Okamoto LE, Garland EM, Gamboa A, Peltier A, Diedrich A, Biaggioni I, Sheldon RS, Robertson D, Raj SR. Postural orthostatic tachycardia syndrome is associated with significant employment and economic loss. *J Intern Med* 2021. (Online ahead of print) PMID: 33586284

Chew DS, Piccini JP. Long-term oral anticoagulants after catheter ablation for atrial fibrillation. *Europace* 2021. (online ahead of print) PMID: 33400774

Chew DS, Rennert-May E, Quinn FR, Buck B, Hill MD, Spackman E, Manns BJ, Exner DV. Economic evaluation of extended electrocardiogram monitoring for atrial fibrillation in patients with cryptogenic stroke. *Int J Stroke* 2020. (Online ahead of print) PMID: 33232196

Buck BH, Hill MD, Quinn FR, Butcher KS, Menon BK, Gulamhusein S, Siddiqui M, Coutts SB, Jeerakathil T, Smith EE, Khan K, Barber PA, Jickling G, Reyes L, Save S, Lesoway P, Piquette L, Kamal N, **Chew DS**, Demchuk AM, Shuaib A, Exner DV. Effect of implantable vs prolonged external electrocardiographic monitoring on atrial fibrillation detection in patients with ischemic stroke: PER DIEM Randomized Clinical Trial. *JAMA* 2021;325(21):2160-2168. PMID: 34061146

Chew DS, Rennert-May E, Lu S, Parkins M, Miller RJH, Somayaji R. Sex differences in health resource utilization, costs and mortality following hospitalization for infective endocarditis in the United States. *American Heart Journal Plus: Cardiology Research and Practice* 2021;3(19):100014.

Rennert-May E, Raj SR, Leal J, Exner DV, Manns BJ, **Chew DS**. Economic evaluation of an absorbable antibiotic envelope for prevention of cardiac implantable electronic device infections. *Europace* 2021;23(5):767-774. PMID: 33554239

Steinberg BA, Li Z, O'Brien E, Pritchard J, **Chew DS**, Bunch TJ, Mark DB, Greiner MA, Piccini JP. Atrial fibrillation burden and heart failure: Data from 39,710 individuals with cardiac implanted electronic devices. *Heart Rhythm* 2021;18(5):709-716. PMID: 33508517

Radbill AE, Lei LY, Paranjape SY, Blackwell DJ, Abraham RL, **Chew DS**, Raj SR, Knollmann BC. Assessment of dynamic cardiac repolarization and contractility in patients with hypertrophic cardiomyopathy. *PLoS ONE* 2021;16(2):e0246768. PMID: 33571287

Ogundeji YK, Quinn A, Lunney M, Chong C, **Chew D**, Danso G, Duggan S, Edwards A, Hopkins G, Senior P, Sumner G, Williams J, Manns B. Factors that influence specialist physician preferences for fee-for-service and salary- based payment models: A qualitative study. *Health Policy* 2021;125(4):442-449. PMID: 33509635

Chew DS, Sacks NC, Emden MR, Preib MT, Cyr PL, Wood D, Pokorney SD. Trends in healthcare resource use and expenditures in patients with newly diagnosed paroxysmal supraventricular tachycardia in the United States. *Am Heart J* 2021;233:132-140. PMID: 33359780

Chew DS, Piccini JP. Post-procedural antithrombotic therapy following left atrial appendage occlusion: No longer adrift in uncertainty? *Circ Cardiovasc Interv* 2020;13(7):e009534. PMID: 32674680

Mponponsuo K, **Chew DS**, Lu S, Somayaji R, Rennert-May E. Differences in outcomes for hospitalizations of systemic and non-systemic infections associated with vascular and cardiac grafts and devices: A population-based study. *J Hosp Infect* 2020;106(4):828-834. PMID: 32896585

Chew DS, Loring Z, Anand J, Fudim M, Lowenstern A, Rymer JA, Weimer KED, Atwater BD, DeVore AD, Exner DV, Noseworthy PA, Yancy CW, Mark DB, Piccini JP. Economic evaluation of catheter ablation of atrial fibrillation in patients with heart failure with reduced ejection fraction. *Circ Cardiovasc Qual Outcomes* 2020;13(12):e007094. PMID: 33280436

Lei LY, **Chew DS**, Raj SR. Differential diagnosis of orthostatic hypotension. *Auton Neurosci* 2020;228:102713. PMID: 32805514

Grant AD, **Chew DS**, Howlett J, Miller RM. Cost effectiveness of earlier transition to angiotensin receptor neprilysin inhibitor in patients with heart failure and reduced ejection fraction. *CJC Open* 2020;2(6):447-453. PMID: 33305203, PMCID: PMC7710928

Rennert-May E, **Chew DS**, Lu S, Chu A, Kuriachan V, Somayaji R. Epidemiology of cardiac implantable electronic device infections in the United States: A population-based cohort study. *Heart Rhythm* 2020;17(7):1125-1131. PMID: 32087358

Chew DS, Rennert-May E, Spackman E, Mark DB, Exner DV. Cost-effectiveness of extended electrocardiogram monitoring for atrial fibrillation after stroke: A systematic review. *Stroke* 2020;51(7):2244-2248. PMID: 32498661

Commander SJ, Wu h, Boakye-Agyeman, Melloni C, Hornik CD, Zimmerman K, Al-Uzri A, Mendley SR, harper B, Cohen-wolkowicz M, Hornik CP. Pharmacokinetics of hydrochlorothiazide in children: A potential surrogate for renal secretion maturation. *J Clin Pharmacol* 2021;61(3):368-377. PMID: 33029806

Commander SJ, Gao J, Zinkhan EK, Heresi G, Courtney SE, Lavery AP, Delmore P, Sokol GM, Moya F, Benjamin D, Bumpass TG, Debski J, Erinjeri J, Sharma G, Tracy ET, smith PB, Cohen-Wolkowicz M, Hornik CP; Best Pharmaceuticals for Children Act-Pediatric Trials Network Steering Committee. Safety of metronidazole in late pre-term and term infants with complicated intra-abdominal infections. *Pediatr Infect Dis J* 2020;39(9):e245-e248. PMID: 32453198

Commander SJ, Ellis D, Williamson H, Oyania F, Ruhigwa C, Situma M, Fitzgerald TN. Social and financial barriers may contribute to a “hidden mortality” in Uganda for children with congenital anomalies. *Surgery* 2021;169(2):311-317. PMID: 33097243

Commander SJ, Ellis D, Williamson H, Grabski D, Sallah AY, Derbew M, Fitzgerald TN. Predictors of burnout and depression in surgeons practicing in East, Central and Southern Africa. *J Surg Res* 2020;255:536-548. PMID: 32640405

Harris CJ, Helenowski I, Murphy AJ, Mansfield SA, LaQuaglia MP, Heaton TE, Cavalli M, Murphy JT, Newman E, Overmen RE, Kartal TT, Jo Cooke-Barber J, Donaher A, Malek MM, Kalsi R, Kim ES, Zobel MJ, Goodhue CJ, Naik-Mathuria BJ, Jefferson IN, Roach JP, Mata C, Piché N, Joharifard S, Sultan S, Short SS, Meyers RL, Bleicher J, Le HD, Janek K, Bütter A, Davidson J, Aldrink JH, Richards HW, Tracy ET, **Commander SJ**, Fialkowski EA, Troutt M, Dasgupta R, Lautz TB. Implications of tumor characteristics and treatment modality on local recurrence and functional outcomes in children with chest wall sarcoma: A Pediatric Surgical Oncology Research Collaborative Study. *Ann Surg* 2020. (Online ahead of print) PMID: 33156070

Many BT, Lautz TB, Dobrozsi S, Wilkinson KH, Rossoff J, Le-Nguyen A, Dakhallah N, Piche N, Weinschenk W, Cooke-Barker J, Goodhue C, Zamora A, Kim ES, Talbot LJ, Quevedo OG, Murphy AJ, **Commander SJ**, Tracy ET, Short SS, Meyers RL, Rinehardt HN, Aldrink JH, Heaton TE, Ortiz MV, Baertschiger R, Wong KE, Lapidus-Krol E, Butter A, Davidson J, Stark R, Ramaraj A, Malek M, Mastropolo R, Morgan K, Murphy JT, Janek K, Le HD, Dasgupta R, and Lal DR. Appendectomy versus observation for appendicitis in neutopenic children with cancer. *Pediatrics* 2021;147(2):e2020027797. PMID: 33504609

Farrow NE, **Commander SJ**, Reed CR, Mueller J, Gupta A, Loh AH, Sekabira J, Fitzgerald TN. Laparoscopic experience and attitudes towards a low-cost laparoscopic system among surgeons in East, Central and Southern Africa: A survey study. *Surg Endosc* 2020. (Online ahead of print) PMID: 33201314

Commander SJ, Cerullo M, Leraas HJ, Reed CR, Achey MA, Wachsmuth LP, Schooler GR, Tracy ET. Hepatic vascular malignancies in children are associated with increased rates of surgical resection and improved overall survival compared with adults. *Pediatr Blood Cancer* 2021;68(5):e28864. PMID: 33661569

Tarnasky AM, Achey MA, Wachsmuth LP, Williamson H, Thomas SM, **Commander SJ**, Leraas H, Driscoll T, Tracy ET. Non-inferiority of fragmented care for high-risk pediatric neuroblastoma patients: A single institution analysis. *Pediatr Hematol Oncol* 2021;10:1-26. (Online ahead of print) PMID: 33970762

Kelsey MD, Granger CB. LOW-HARM score predicted mortality in patients hospitalized with COVID-19 in Mexico. *Ann Intern Med* 2021;174(5):JC 59. PMID: 33939489

Rao VN, **Kelsey MD**, Kelsey AM, Russell SD, Mentz RJ, Patel MR, Fudim M. Acute cardiovascular hospitalizations and illness severity before and during the COVID-19 pandemic. *Clin Cardiol* 2021;44(5): 656-664. PMID: 33682157

Kelsey MD, Newby LK. In patients at high CV risk receiving simvastatin, the Myopathy Risk Score predicted statin-related myopathy. *Ann Intern Med* 2020;173(12):JC 71. PMID: 33316194

Kelsey MD, Newby LK. In older patients with NSTEMI-ACS, clopidogrel safely reduced bleeding compared with ticagrelor at 1 year. *Ann Intern Med* 2020;173(6):JC28. PMID: 32926825

Kelsey MD, Pagidipati NJ. Towards a personalized approach for obesity treatment: One size does not fit all. *Heart* 2021. (Online ahead of print) PMID: 34326134

Kelsey MD, Page C, Alhanti B, Rhodes SL, Kent ST, Peterson ED, Pagidipati NJ. Lipoprotein(a) testing patterns in a large health system. *Am J Cardiol* 2021;153:43-50. PMID: 34210501

King CE, Thompson EJ, Foote HP, Zimmerman KO, Hill KD, Chamberlain R, Hornik CP. An evidence-based review of the use of vasoactive and inotropic medications in post-operative pediatric patients after cardiac surgery with cardiopulmonary bypass from 2000-2020. *Cardiol Young* 2020;30(12):1757-1771. PMID: 33213604.

Thompson EJ, Foote HP, **King CE**, Srinivasan S, Ciociola EC, Leung D, Rotta AT, Hill KD, Cohen-Wolkowicz M, Hornik CP. A systematic review of the evidence supporting post-operative medicine use in congenital heart disease. *Cardiol Young* 2021;31(5):707-773. PMID: 33866987

Randell RL, Becker ML. Safety updates in novel therapeutics for pediatric rheumatic disease, *Current Opinion in Rheumatology* 2021;33(5):403-408. PMID: 34397604

Randell RL, Singler L, Cunningham A, Schanberg LE, Cohen-Wolkowicz M, Hornik CP, Balevic SJ; with the CARRA Registry investigators. Delivering clinical trials at home: protocol, design and implementation of a direct-to-family paediatric lupus trial. *Lupus Sci Med* 2021;8(1):e000494. PMID: 33963084

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