



**Annual Progress Report of Academic Output
Clinical Research Study Program
Duke Clinical Research Institute**

Academic Year: August 2016 – July 2017

Mentor: Jonathan Routh, MD

Program: Completed Clinical Research Study Program

Presentations/Abstracts:

Alkazemi MH, Jiang R, Wolf S, Pomann GM, Tracy ET, Rice HE, Routh JC. Radical and Partial Nephrectomy in Children and Young Adults: Equivalent Readmissions and Postoperative Complications. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017.

Alkazemi MH, Sanchez K, Jiang R, Wolf S, Pomann GM, Routh JC. Spina Bifida Patients in the Emergency Room Setting: Are Presenting Diagnoses Associated with Inpatient Admissions? Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Callie Berkowitz – Duke Radiation Oncology

Mentor(s): Bridget Koonz, MD

Program: Completed Clinical Research Study Program

Project Title:

Bridging the Gap: PCP and Patient Needs in Head and Neck Cancer Survivor Care
The Cancer Distress Coach for PTSD Symptoms: Targeting at-risk Patients

Scholarship(s): Duke Institute for Health Innovation

Publications:

Accepted:

Berkowitz C, Allen DH, Tenhover J, Zullig LL, Ragsdale J, Fischer JE, Pollak KI, Koontz BF. Knowledge and Preferences of Primary Care Providers in Delivering Head and Neck Cancer Survivorship Care. Journal of Cancer Education. J Cancer Educ. 2017; s13187-017-1250-3. PMID:28707205

Submitted:

Berkowitz C, Allen DH, Tenhover J, Zullig LL, Fischer JE, Pollak KI, Hicks M, Hillson J, Koontz BF. Survivor Needs after Head and Neck Cancer Treatment. Head & Neck- under review, submitted 5/2017

Berkowitz C, Zullig LL, Koontz BF, Smith SK. Prescribing an App? Oncology Providers' Views on Mobile Health Apps for Cancer Care. JCO Clinical Cancer Informatics - submitted 7/2017

Presentations/Abstracts:

Berkowitz C, Allen D, Tenhover J, Zullig L, Fischer J, Pollak K, Smith S, Ragsdale J, Anderson J, Bowlby L, Koontz B. Bridging the Gap: PCP and Patient Needs in Head and Neck Cancer Survivor Care. Presented at (upcoming): Patient Reported Outcomes/QoL/Survivorship Poster Session. 2017 ASTRO Annual Meeting; Sep 24; San Diego, CA

Berkowitz C, Allen DH, Tenhover J, Zullig L, Fischer J, Pollak K, Hicks MR, Hillson JV, Koontz BF. Survivorship Needs After Head and Neck Cancer Treatment. Presented at: Patient and Survivor Care Poster Session. 2017 ASCO Annual Meeting; Jun 3- 6; Chicago, IL

Berkowitz C, Miller J, Koontz B, Tenhover J, Allen H, Zafar SY, Dolor R, Bosworth H, Zullig L. Primary Care Providers' Knowledge, Needs, and Preferences for Cancer Survivorship Care Plans. Cancer Control and Population Sciences 6th Annual Science Research Poster Fair; May 25 2017; Durham, NC

Berkowitz C, Zullig L, Koontz BF, Smith SK. Prescribing an app? Understanding Oncology Providers' Views on Mobile Health Apps for Cancer Care. Presented at: The Lifecycle of Digital Health Science. 5th Annual mHealth@Duke Conference; 2017 Apr 12; Durham, NC.

Smith SK, **Berkowitz C**, Daniel J, Koontz BF, Kuhn E, Revoir M, Sant CV, Whalen K. Evolution of a Self-management App for Cancer Survivors. Presented at: The Lifecycle of Digital Health Science. 5th Annual mHealth@Duke Conference; 2017 Apr 12; Durham, NC.

Berkowitz C, Koontz B, Smith S. Exploring Head and Neck Cancer Survivorship Needs and Interventions. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Leslie Chang – Duke Cardiology

Mentor(s): Adrian Hernandez, MD and Adam DeVore, MD **Program:** Completed Clinical Research Training Program **Project Title:** CONNECT-HF

Scholarship:

DIHI Scholarship for the CRTP course

AHA Young Investigator's Database Seed Grant Award

Medical School Contributions: Served on Duke Clinical Research Undergraduate Experience Panel

Publications:

Accepted:

Chang LL, DeVore AD, Granger BB, Eapen ZJ, Ariely D, Hernandez AF. Leveraging Behavioral Economics to Improve Heart Failure Care and Outcomes. *Circulation* 2017;136(8):765-722. (PMID: 28827221)

Submitted:

Chang LL, XU H, DeVore AD, Matsouaka R, Yancy C, Fonarow GC, Allen L, Hernandez AF. Timing of Postdischarge Follow-Up and Medication Adherence Among Heart Failure Patients.

Patient and Caregiver Perspective on Challenges and Strategies towards Heart Failure Self-Care.

Presentations/Abstracts:

Chang LL, XU H, DeVore AD, Matsouaka R, Yancy C, Fonarow GC, Allen L, Hernandez AF. Timing of Postdischarge Follow-Up and Medication Adherence among Heart Failure Patients, Abstract and Poster Presentation, American Heart Association Scientific Session, Anaheim, CA, November 2017

Chang LL, XU H, DeVore AD, Matsouaka R, Yancy C, Fonarow GC, Allen L, Hernandez AF. Timing of Post-Discharge Follow up and Medication Adherence among Heart Failure Patients. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Curry Cheek – MBA/Dual Degree Student

Mentor(s): Kevin Schulman, MD

Program: MBA/Dual Degree in Clinical Research

Project Title: Mobile Health Technologies: Best Strategies for Application Development

Scholars/tip: J. Alexander McMahon Scholarship Endowment in the Health Sector Management Program at Duke's Fuqua School of Business

Award(s): Rabb Venable Medical Student Award for Research in Ophthalmology

Publications:

Accepted:

Published Case Study: Schulman K, **Cheek C**. From mHealth Hackathon to Reality: Diabetes Care. Harvard Business School Case 317-105, March 2017

Submitted:

Schulman K, Dolor R, Cheek C. Best Strategies for Mobile Health Application Development and Diabetes Management.

Presentations/Abstracts:

Best Strategies for Mobile Health Application Development and Diabetes Management. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Scan Chen – Duke Cardiology

Mentor(s): Manesh Patel, MD

Program: Completed Clinical Research Study Program

Scholars/zip: Thrombolytic Therapy in ROCKET AF

Acknowledgement(s): Assisted Research Team in Drafting a grant proposal and IRB proposal for a Machine Angiography Program currently under review at the NIH

Publications:

Submitted:

Thrombolytic Therapy in Anticoagulated Patients Observations from ROCKET AF. Submitted to Stroke, Editorial: JACC Interventions, Coronary Physiology

Chen ST, Patel MR. Location, Location, Location. JACC CV Interventions 2016;9(23):2400-2402.

Presentations/Abstracts:

Thrombolytic Therapy in Anticoagulated Patients Observations from ROCKET AF, Poster Presentation, American College of Cardiology Scientific Session, Washington DC, March 2017

Chen ST, Hellkamp AS, Becker RC, Berkowitz SD, MD, Breithardt G, Fox KAA, Hacke W, Halperin JL, Hankey GJ, Mahaffey KW, Nessel CC, Piccini JP, Singer DE, Patel MR. Impact of Polyvascular Disease on Patients with Atrial Fibrillation: Insights from Rivaroxaban versus Warfarin in Non-valvular Atrial Fibrillation (ROCKET AF). Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Tracy Cheng – Duke Otolaryngology and Head and Neck Surgery

Mentor(s): Dennis Frank-Ito, MD

Program: Completed Clinical Research Study Program

Scholarship: NIH T32 Grant

Project Title:

Computational Fluid Dynamic Models of Laryngeal and Sinonasal Airflow
The Impact of Laryngotracheal Stenosis on Respiratory Function
Anatomic Characterization of Patients with Chronic Rhinosinusitis Induced Olfactory Dysfunction.

Publications:

Cheng T, Carpenter D, Witsell D, Hachem RA, Jang DW, Frank-Ito DO. Anatomic Qualification of Nasal Cavity and Olfactory Cleft in Chronic Rhino sinusitis with and without Olfactory Dysfunction.

Presentations/Abstracts: Oral Presentation:

Cheng T, Carpenter D, Witsell D, Cohen S, Frank-Ito DO. Investigating the Effects of Laryngeal Stenosis on Upper Airway Aerodynamics, Oral Presentation in the American Laryngological Association's 2017, Spring Meeting, San Diego, CA

Poster Presentation:

Cheng T, Carpenter D, Witsell D, Hachem RA, Jang DW, Frank-Ito DO. Anatomic Quantification of Nasal Cavity and Olfactory Cleft in Chronic Rhinosinusitis with and without Olfactory Dysfunction. Poster Presentation in the American Laryngological Association's 2017, Spring Meeting, San Diego, CA

Cheng T, Honeybrook A, Choi K, Gray A, Snyder L, Palmer S, Hachem RA, Jang DW. Timing and Frequency of Sinus Surgery are Associated with Lung Transplant Outcomes in Cystic Fibrosis Patients. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Vinay Choksi – Duke Internal Medicine

Mentor(s): Peter Ubel, MD

Program: Completed Clinical Research Study Program

Project Title: Decision Aids on Prostate Cancer Patients Activation

Publications:

Submitted:

Scherr K, **Choksi V**, Ubel P. How internet descriptions of serious illnesses may inadvertently harm patients and families. Submitted to Annals of Internal Medicine Paper and BreakingBadNews.com

Presentations/Abstracts:

Choksi V, Ubel P, Krakta A, Davis K, Dicke1man V, Buchbinder M, Kirby C, Hawley S, Sepucha K, Sabel M, Specht M, Lee C. Physician Recommendations and Patient

Preferences: A Qualitative Analysis of the Contralateral Prophylactic Mastectomy Decision; Society of Medical Decision Making: October 25th : Pittsburgh PA

Choksi V, Ubel P, Kratka A, Davis K, Dickerman V, Buchbinder M, Kirby C, Hawley S, Sepucha K, Sabel M, Specht M, Lee C. Physician Recommendations and Patient Preferences: A Qualitative Analysis of the Contralateral Prophylactic Mastectomy Decision. Duke University School of Medicine Alpha Omega Alpha Day, Durham, Nc, Carolina, August 4, 2017

Marcus DiLallo – Orthodic Surgery

Mentor(s): Michael Bolognesi, MD and Thorsten Seyler, MD

Program: Completed Clinical Research Study Program

Publications:

Submitted:

Goltz DE, Baumgartner, BT, Politzer CS, **DiLallo M**, Bolognesi MP, Seyler, TM. The ACS NSQIP Surgical Risk Calculator Has a Role in Predicting Discharge to Post-Acute Care in Total Joint Arthroplasty. Journal of Arthroplasty. 2017, Aug

Presentations/Abstracts:

Oral Presentations:

DiLallo, M, Politzer C, Bolognesi, M, Seyler, TM. The Role of Hepatitis C Viral Load and Total Joint Arthroplasty Complication Rates. Oral Presentation presented at: Musculoskeletal Infection Society; Boston, MA, USA. August 2017

DiLallo M, Politzer CS, Bolognesi, MP, Seyler TS. The Role of Hepatitis C Viral Load and Total Joint Arthroplasty Complication Rates. Oral Presentation to be presented at: North Carolina Orthopedic Association; Williamsburg, VA, USA. October 2017

Kildow BJ, Politzer CS, **DiLallo M**, Seyler TM, Bolognesi MP. Short- and Long-Term Post-Operative Complications Following Total Joint Arthroplasty in Patients with HIV, Hepatitis B, or Hepatitis C. Oral Presentation to be presented at: Southern Orthopedic Association; Hilton Head, SC, USA. June 2017

Plate JF, **DiLallo M**, Wohler AD, Langfitt MK, Lang JE, Kleeman L, Seyler TM. Vitamin D Levels Influence Complication Rates Following Total Joint Arthroplasty. Oral Presentation to be presented at: North Carolina Orthopedic Association; Williamsburg, VA, USA. October 2017

Politzer CS, **DiLallo M**, Goltz DE, Green C, Bolognesi MP, Seyler T. Nutritional Status Predicts Short-Term Clinical Outcomes following Total Joint Arthroplasty. Oral

Presentation to be presented at: North Carolina Orthopedic Association; Williamsburg, VA, USA. October 2017

Politzer CS, **DiLallo M**, Goltz DE, Green CL, Bolognesi MP, Seyler TM. (October, 2017). Nutritional Status Predicts Short-Term Clinical Outcomes following Total Joint Arthroplasty. Oral Presentation to be presented at: Eastern Orthopaedic Association; Miami, FL, USA.

Ryan SP, **DiLallo M**, McCoy K, Seyler TM. Diabetes and Total Joint Arthroplasty: Infection Risk May Not Be Predictable by Markers of Glycemic Control. Oral Presentation presented at: Musculoskeletal Infection Society; Boston, MA, USA. August 2017

Poster Presentations:

Baumgartner W, Goltz DE, **DiLallo M**, Politzer CS, Bolognesi MP, Seyler TM. The ACS NSQIP Surgical Risk Calculator Has a Role in Predicting Discharge to Skilled Nursing or Rehabilitation Facility in Total Joint Arthroplasty. Poster to be presented at: American Association of Hip and Knee Surgeons; Dallas, TX, USA. November, 2017

Belay ES, **DiLallo M**, Hallows R. The Learning Curve for Anterior-Approach to Total Hip Arthroplasty. Poster to be presented at: North Carolina Orthopedic Association; Williamsburg, VA, USA. October, 2017

DiLallo M, Baumgartner W, Bolognesi MP, Seyler TM. Primary vs. Conversion Total Hip Arthroplasty: Perioperative Comparisons. Poster to be presented at: American Association of Hip and Knee Surgeons; Dallas, TX, USA. November, 2017

DiLallo M, Politzer C, Bolognesi M, Seyler TM. Primary vs. Conversion Total Hip Arthroplasty: Cost and Perioperative Comparisons. Poster to be presented at: Eastern Orthopaedic Association; Miami, FL, USA. October, 2017

DiLallo M, Politzer CS, Goltz, DE, Bolognesi MP, Seyler TM. The Role of Hepatitis C Viral Load and Total Joint Arthroplasty Complication Rates. Poster to be presented at: American Association of Hip and Knee Surgeons; Dallas, TX, USA. November, 2017

Goltz DE, Hopkins TJ, Politzer CS, **DiLallo M**, Bolognesi, MP, Seyler TM. A Combined Surgical APGAR-ASA Score Is Predictive Of 90-Day Readmission in Total Joint Arthroplasty. Poster to be presented at: North Carolina Orthopedic Association; Williamsburg, VA, USA. October, 2017

Politzer CS. **DiLallo M**, Goltz DE, Green CL, Bolognesi MP, Seyler TM. Nutritional Status Predicts Short-Term Clinical Outcomes following Total Joint Arthroplasty. Poster to be presented at: American Association of Hip and Knee Surgeons; Dallas, TX, USA. November, 2017

Daniel Goltz – MBA/Dual Degree Student

Mentor(s): Michael Bolognesi and Thorsten Seyler, MD

Program: MBA/Dual Degree in Clinical Research

Awards:

Best Podium Presentation, Total Joint Arthroplasty Division, North Carolina Orthopaedic Association 2016 Annual Meeting, Pinehurst, NC

National Quality Improvement and Health Outcome Award, Music and Memory, American Medical Directors Association, 2016 Annual Symposium, Orlando, FL

Appointments: Duke University Graduate and Professional Student Council Member, 3 Year Term on the Duke University Board of Trustees.

Scholars/tip: Albert Schweitzer Fellowship for Leaders in Service Award

Publications:

Goltz DE, Baumgaier BT, Politzer CS, DiLallo M, Bolognesi MP, Seyler TM. The ACS NSQIP Surgical Risk Calculator Has a Role in Predicting Discharge to Post-Acute Care in Total Joint Arthroplasty. *Journal of Arthroplasty*. Submitted June 2017

Murphy KR, **Goltz DE**, Coleman D, Germain C, White H. Implementation and Efficacy of Personalized Music Therapy in an Assisted Living Center. [Abstract only] *JAMDA*. 2016; 17(3)

Ennis KY, Chen M., Smith G, D'Amico AV, Zhang Y, Quinn SA, Ryemon SN, **Goltz DE**, Hanison LB, Ennis R. The Impact of Economic Recession on the Incidence and Treatment of Cancer. *Journal of Cancer*. 2015; 6(8):727-733

Submitted: Presentations/Abstracts:

Goltz DE, Sutter EG, Bolognesi MP, Wellman SS. Outcomes of Articulating Spacers with Autoclaved Femoral Components in Total Knee Arthroplasty Infection. *Musculoskeletal Infection Society*, August 2017, Boston, MA

Kleeman LT, **Goltz DE**, Seyler TM, Green CL, Wellman SS, Bolognesi MP. Comparing Outcomes and Metal Ions Between Low and Medium Radial Clearance Hip Resurfacing Systems. *Southern Orthopaedic Association*, June 2017, Hilton Head, SC

Kleeman LT, **Goltz DE**, Seyler TM, Green CL, Wellman SS, Bolognesi MP. Effect of Femoral Stem Offset on Metal-on-Metal Implant Outcomes. (by Kleeman) *Southern Orthopaedic Association*, June 2017, Hilton Head, SC

Politzer CS, DiLallo M, **Goltz DE**, Green CL, Bolognesi MP, Seyler TM. Nutritional Status Predicts Short-Term Clinical Outcomes Following Total Joint Arthroplasty. (by Politzer)

Eastern Orthopaedic Association, October 2017, Miami, FL

Politzer CS, Kildow BJ, **Goltz DE**, Green CL, Bolognesi MP, Seyler TM. Trends in Opioid Use Before and After Total Knee Arthroplasty. (by Politzer), Southern Orthopaedic Association, June 2017, Hilton Head, SC and Eastern Orthopaedic Association, October 2017, Miami, FL

Kleeman LT, Seyler TM, **Goltz DE**, Green C, Attarian D, Wellman S, Bolognesi M. Early Versus Late Revision of Metal-on-Metal Hip Bearing. (by Kleeman) Eastern Orthopedic Association, October 2016, New Orleans, LA

Kleeman, LT, **Goltz, DE**, Seyler, TM, Attarian, D, Wellman, SS, Bolognesi, MP Comparing Outcomes of Metal-on-Metal ASR to Pinnacle/Ultamet Total Hip Arthroplasty. North Carolina Orthopedic Association, October 2016, Pinehurst, NC

Goltz DE, Murphy KR, Coleman D, White HK. Challenges and Successes Bringing Personalized Music to Dementia Patients. DUBS Quarterly Conference, October 2016, Durham, NC

Kleeman LT, Seyler TM, **Goltz DE**, Green C, Attarian D, Wellman S, Bolognesi M. Impact of Timing to Revision of a Metal-on-Metal Hip Bearing. (by Kleeman) Southern Orthopedic Association, June 2016, Naples, FL

Kleeman LT, **Goltz DE**, Seyler TM, Green C, Attarian D, Wellman SS, Bolognesi MP. Outcomes Following Revision of a Modular Acetabular Metal-on-Metal Total Hip Arthroplasty Implant. (by Kleeman) American Association of Hip and Knee Surgeons, March 2016, Dallas, TX

Goltz DE, Murphy, KR, Coleman, D, Ge1main, CM, White, HK. Implementation and Efficacy of a Personalized Music Program in an Assisted Living Center. Dementia beyond Disease, April 2016, Durham, NC

Goltz DE, Murphy KR, Coleman D, Germain CM, White HK. Connecting Residents with Dementia to Their Autobiographic Soundtrack with Personalized Music. American Medical Directors Association National Conference, March 2016, Orlando, FL

Goltz DE, Baumgartner BT, Hopkins TH, Bolognesi MP, Seyler TM. Combined Surgical APGAR-ASA Score Predicts 90-day Readmission in Total Joint Arthroplasty. Eastern Orthopaedics Association. October 2017, Miami, FL

Politzer, CS, Kildow, BJ, **Goltz, DE**, Green, CL, Bolognesi, MP, Seyler, TM. Trends in Opioid Use before and After Total Knee Arthroplasty. Southern Orthopaedic Association, June 2017, Hilton Head, SC, Duke Orthopaedic Surgery Research Day, June 2017, Durham, NC and Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Mentor(s): Judd Moul, MD

Program: MBA/Dual Degree in Clinical Research

Scholarship:

Duke Dual Degree Scholarship

PDC Outcomes Research Team (PORT) Steering Grant

Robert M. Califf Clinical Research Grant Awardee

Project Title: Radical Prostatectomy Patient Database

Publications:

Accepted:

Zhang M, Qiu Q, Li Z, Sachdava M, Min H, Cordona DM, DeLaney TF, **Han T**, Ma Y, Luo L, Ilkeyeva OR, Lui K, Nicholas AG, Newgard CB, Kastan MB, Rathmell JC, Dewhirst MW, Kirsch DG. HIF-1 Alpha Regulates the Response of Primary Sarcomas to Radiation Therapy through a Cell Autonomous Mechanism. *Radiat Res* 2015;183:594- 609. (PMID: 25973951)

Presentations/Abstracts:

Han T, Gokhan I, Jibari G, Qi R, Moul J. . Over Half of Contemporary Clinical Gleason 8 on Prostate Biopsy are downgraded at Radical Prostatectomy. Poster Presentation at the American Urological Association Conference, Boston, MA. May 2017

Gokhan I, **Han T**, Jibari G, Qi R, Moul J. Decreasing Overtreatment of Localized Prostate Cancer with Radical Prostatectomy: 10-year Trends. Poster Presentation at the American Urological Association Conference, Boston, MA. May 2017

Han T, Gagnon J, Barth P, Schilder M, Goldstein B, Moul J. No-Shows in Adult Urology Outpatient Clinics: Economic and Operational Implications. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Nathaniel Harris – Duke Rheumatology

Mentor(s): Megan Clowse, MD, MPH

Program: Completed Clinical Research Study Program

Project Title: Patient-Reported Outcomes in the Duke Autoimmunity in Pregnancy Registry.

Scholarship:

Medical Student Preceptorship from the Rheumatology Research Foundation to

continue my work during fomi h year and present this research at the annual ACR meeting

Medical School Contributions:

Presented my work to the DAPPAC - the Duke Autoimmune Pregnancy Patients Advisors and Collaborators group. This was a unique opportunity to present my work to patients who are helping to direct our research agenda, and solicit their feedback regarding the survey instruments we use. This has impacted our clinical care and research.

Publications:

Submitted:

Patient-Reported Disease Activity and Adverse Pregnancy Outcomes in Systemic Lupus Erythematosus and Rheumatoid Arthritis - under review

Presentation/Abstracts:

Reproductive Issues in Rheumatic Disorders. American College of Rheumatology (ACR) Annual Meeting. San Diego, CA

HalTis H, Eudy A, Clowse M. Patient-Reported Disease Activity and Adverse Pregnancy Outcomes in Systemic Lupus Erythematosus and Rheumatoid Arthritis. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Neha Kayastha – Duke Hematology

Mentor(s): Thomas LeBlanc, MD

Program: Completed Clinical Research Training Program

Project Title: Symptom Burden, Quality of Life and Distress among Adults with Acute Myeloid Leukemia

Teaching Role: Taught Second Year Medical Students Practice Course and Clinical Skills Class. These courses are taught in small groups, each with a faculty leader and student leader (who is typically a third year).

Publications:

Submitted:

Kayastha N, Wolf S, Locke SC Samsa GP, El-Jawahri A, LeBlanc TW. The Impact of Remission Status on Patients' Experiences with Acute Myeloid Leukemia (AML): A Prospective Longitudinal Patient-Reported Outcomes Study. Submitted to Leukemia Research: submitted June 2017.

Presentations/Abstracts:

Kayastha N, Pollak KI, LeBlanc TW. Open Notes: A Qualitative Study of Oncology Patients' Experiences Reading Their Cancer Care Notes. Palliative and Supportive Care in Oncology Symposium. October 2017, San Diego, CA and for Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017.

Allison Kratka – Duke Internal Medicine

Mentor(s): Peter Ubel, MD

Program: Completed Clinical Research Study Program

Project Title: HIV Cure Studies: Risk, Risk Perception and Ethics

Presentations/Abstracts:

Kratka A, Wong C, Ubel P. Finding Healthcare Prices Online: How hard is it to be an Informed Healthcare Consumer? Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017.

Jesse Liu – Duke Dermatology

Mentor(s): Jennifer Powers, MD

Program: Completed Clinical Research Study Program

Scholarship: Dean's Merit Scholarship

Project Title: Microbiome of Cutaneous Scar Formation

Publications:

Submitted:

Liu J, Powers J. Evidence-based Updates in Scar Management for the Dermatologist. Journal of the American Academy of Dermatology.

Riemenschneider K, **Liu J**, Powers J. Skin cancer in the military: a systematic review of melanoma and non-melanoma skin cancer incidence, prevention, and screening among active duty and veteran personnel. Journal of the American Academy of Dermatology. In Revision

Liu J, Casady M, Paral K, Powers J. Pseudoangiomatic Stromal Hyperplasia Presenting as an Axillary Mass in a Postmenopausal Woman Undergoing In Vitro Fertilization. Journal of the American Academy of Dermatology Case Reports.

Liu J, Lake EP. Lichen Nitidus Photo Quiz. Journal of the Dermatology Nurses' Association.

Presentations/Abstracts:

The Microbiome of Cutaneous Scar Formation. Present at the European Society for Dermatologic Research (ESDR) Annual Meeting, September 2017

Liu J. Evaluation of Colorimetry and Biomechanical Properties in Wounds of Dermatologic Patients with Postoperative Infection. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017.

Colin O'Leary – Duke Internal Medicine

Mentor(s): Alex Cho, MD and Kevin Shah, MD

Program: Completed Clinical Research Study Program

Course Work: Introduction to Healthcare Markets and Policy

Project Title: Quality Improvement through Quality Metrics & Variance Analysis in Primary Care

Publications:

Submitted:

Patel MP, Schettini P, **O'Leary CP**, Bosworth HB, Anderson JB, Shah KP. Closing the Referral Loop: An Analysis of Primary Care Referrals to Specialists in a Large Health System.

Schettini P, **O'Leary CP**, Patel MP, Shah KP, Bosworth HB, Cameron HB, MBI Keeping Care Connected: E-Consultation Program Improves Access to Nephrology Care.

Presentations/Abstracts:

Abstract:

Patel MP, Schettini P, **O'Leary CP**, Shah KP. Closing the Specialty Referral Loop; An Imperative for a Resilient primary Care Network. Journal of General Internal Medicine, Abstracts from the 2017 Society of General Internal Medicine Annual Meeting

Poster Presentations:

2017 Annual Scientific Session of the American College of Physicians (March 30-April 1 at the San Diego Convention Center)/ACP Internal Medicine Meeting 2017 National Abstract Competitions: won NC ACP competition

Closing the Specialty Referral Loop: Are Referrals from Primary Care to Specialists

Actually Completed? 12th Annual Duke Health Patient Safety and Quality Conference (March 23 at the Durham Convention Center)

What Happens to a Referral?: Life-Cycle Analysis of Referrals from Duke Primary Care to Duke Specialty Care. 2017 Annual Scientific Session of the North Carolina Chapter of the American College of Physicians (February 24-25 at the Sheraton Imperial Hotel in Durham)

Closing the Specialty Referral Loop: Are Referrals from Primary Care to Specialists Actually Completed? (Student Poster winner). 50th Anniversary STFM Annual Spring Conference: Annual 2017 Fellows, Residents, or Students Research Works-in-Progress Poster (May 5-9, 2017 in San Diego)

Primary Care to Specialty Care Referrals: An Analysis of Closing the Loop

Oral Presentations:

2017 SGIM Annual Meeting: Oral Presentation Abstract Session D3: Medical Informatics: Harmful or Helpful? April 20, 2017, Washington, DC at the Washington Hilton)

Duke Primary Care Director's Meeting. NC Mutual, Durham NC, April 13, 2017 Closing the Specialty Referral Loop: An Imperative for a Resilient Primary Care Network

2017 Endocrinology Grand Rounds. February 17, 2017. Quality Improvement in Diabetes Management: The Duke Primary Care Perspective. Duke University Hospital

Stephanie Pagliuca – Harvard Study Away Student

Mentor(s): Alex Haynes, MD, MPH

Program: Completed Clinical Research Study Program

Project Title: Does Management Matter?

Presentations/Abstracts:

Submitted:

Quality of Management Impacts Neonatal Outcomes in India

Variation in Management is Associated with Quality of Care in US Hospitals

Presentations:

Pagliuca S, Sadun R, Bergkvist S, Mate K, Sudke A, Haynes A. Quality of Hospital Management is Associated with Neonatal Outcomes in India. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Malhar Patel – Duke Pediatrics

Mentor(s): Dev Sangvai, MD and Kevin Shah, MD

Program: Completed Clinical Research Study Program

Scholarship:

Duke Dean's Merit Full Tuition Scholarship

DIHI 3rd Year Research

Project Title: Analyzing Implementation of a PSA Screening Algorithm

Abstract:

Bae J, **Patel M**, Cummings C. Improving Usage of Duke Medicine Discharge Template, Quality and Innovation Scholars Program Symposium, April 2015

Schettini P, O'Leary CP, **Patel M**, Shah K, Anderson JB, Cho AH, Long AL, Bosworth HB, Cameron CB. Keeping Care Connected: E-Consultation Program Improves Access to Nephrology Care. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Cary Politzer – Duke Orthopedics

Mentor(s): Richard "Chad" Mather III, MD, Michael Bolognesi, MD, Thorsten Seyler, MD

Program: Completed Clinical Research Study Program

Scholarship: Robert M. Califf Clinical Research Grant Awardee

Project Title: Using Social Incentives to Increase Response Rate to Routine Patient Reported Outcome Measurement after Episodic Healthcare Interventions.

Publications:

Submitted:

Politzer CS, Bala A, Seyler TM, Bolognesi MP, & Ganigues GE. Utilization and Cost of Reverse Shoulder Arthroplasty versus Hemiarthroplasty for Acute Proximal Humerus Fractures. The Journal of Bone and Joint Surgery. (Submitted July 2017).

Kildow BJ, **Politzer CS**, DiLallo M, Bolognesi MP, & Seyler TM. Short- and Long- Term Post-Operative Complications following Total Joint Arthroplasty in Patients with HIV, Hepatitis B, or Hepatitis C. Journal of Arthroplasty. (Submitted July 2017).

Goltz DE, Baumgartner BT, **Politzer CS**, DiLallo M, Bolognesi MP, Seyler TM. The ACS NSQIP Surgical Risk Calculator Has a Role in Predicting Discharge to Post-Acute Care in Total Joint Arthroplasty. Journal of Arthroplasty. Submitted June 2017

Coutlee CG, **Politzer CS**, Hoyle RH, Huettel SA (2014). An Abbreviated Impulsiveness Scale Constructed Through Confirmatory Factor Analysis of the BIS-11. Arch Sci Psychol 2017;2(1):1-12.

Politzer CS. (2013). The Insula's Emergence in Drug-related Cravings and its Potential Role in Addiction Treatment. Neurogenesis: The Journal of Undergraduate Neuroscience. 2 (2), 2-7. [Featured article; commentary by Rory Lubner and Kelly Ryan Murphy in same issue.]

Presentations/Abstracts:

Accepted:

Politzer CS, Goltz DE, Baumgartner WT, Bolognesi MP, Seyler TM. Preoperative Nutritional Status Predicts Poor Short-Term Clinical Outcomes for Hip Fracture Repair. Podium, North Carolina Orthopaedic Association Annual Meeting (Accepted July 2017).

Politzer CS, DiLallo M, Goltz DE, Green CL, Bolognesi MP, Seyler TM. Nutritional Status Predicts Short-Term Clinical Outcomes following Total Joint Arthroplasty. Podium, Eastern Orthopaedic Association Annual Meeting (Accepted June 2017) and North Carolina Orthopaedic Association Annual Meeting (Accepted July 2017).

Politzer, CS, Kildow BJ, Goltz DE, Green CL, Seyler TM. Trends in Opioid Use before and After Total Knee Arthroplasty. Accepted for Poster Presentation at the Association of Hip and Knee Surgeons (AAKS) annual meeting, Dallas, TX on November 2-5, 2017. And at the Southern Orthopaedic Association Annual Meeting (June 2017) and Eastern Orthopaedic Association Annual Meeting (Accepted June 2017), Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017.

DiLallo M, **Politzer CS**, Bolognesi MP, Seyler TM. Primary vs. Conversion Total Hip Arthroplasty: Cost and Perioperative Comparisons. Podium, Eastern Orthopaedic Association Annual Meeting (Accepted June 2017).

DiLallo M, **Politzer CS**, Wellman SS, & Seyler TM. Hepatitis C Viral Load and Total Joint Arthroplasty. Podium (by M DiLallo), Musculoskeletal Infection Society Annual Meeting (Accepted June 2017).

Planning to Attend the American Association of Hip and Knee Surgeons (AAKS) Annual Meeting in November 2017 and the American Association of Orthopaedic Surgeons (AAOS) Annual Meeting in March 2018.

Oral Presentation:

Kildow BJ, **Politzer CS**, DiLallo M, Seyler TM, & Bolognesi MP. Short- and Long- Term Post-Operative Complications Following Total Joint Arthroplasty in Patients with HIV, Hepatitis B, or Hepatitis C. Southern Orthopaedic Association Annual Meeting (June 2017).

Poster Presentations:

Coutlee CG, **Politzer CS**, Hoyle RH, & Huettel SA An abbreviated impulsiveness scale constructed through confirmatory factor analysis of the BIS-11. Association for Psychological Science. (2013).

Politzer,CS, Coutlee CG, Hoyle RH, Huettel SA. (2013). Resting State Functional Connectivity in relation to trait impulsivity. Duke Undergraduate Neuroscience Symposium.

David Tat – UCSF Study Away Student

Mentor(s): June Chan, MD

Program: Completed Clinical Research Study Program

Project Title: Calcium Intake and Risk of Prostate Cancer Progression in Affected Men: Results from the CaPSURE Registry.

Presentations/Abstracts:

Tat D, Kenfield SA, Cowan JE, Broering JM, CatToll PR, Van Blarigan EL, Chan JM. Milk and Other Dairy Foods in Relation to Prostate Cancer Recurrence: Data from the Cancer of the Prostate Strategic Urologic Research Endeavor (CaPSURE™). Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Tolulope Tcniola – Duke Community and Family Medicine

Mentor(s): Patricia Moorman, MD

Program: Completed Clinical Research Study Program

Scholarship: Ovarian Cancer Research Scholarship

Project Title: Evaluating Myocardial Scar Patterns on Cardiac MRI as a Diagnostic and Prognostic Tool for Patients with Troponin-Positive Myocardial Necrosis.

Presentations:

Oral:

Teniola, T, Wang F, Alberg AJ, Bandera EV, Barnholtz-Sloan JB, Bondy M, Cote ML,

Funkhouser E, Kelemen L, Peters ES, Schwartz AG, Terry PD, Crankshaw S, Schildkraut JM, Moorman PG. Infertility and Ovarian Cancer Risk in African American Women. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Phillip Tseng – Duke MBA/Dual Degree

Mentor(s): Kevin Schulman, MD

Program: MBA/Dual Degree in Clinical Research

Scholarship:

Medical Faculty Wives Scholarship
Thomas Frist, MD Scholarship
Dual-Degree Scholarship

Project Title: Transaction Costs in Healthcare

Presentations:

Oral:

Tseng P, Kaplan R, Richman B, Shah M, Schulman. How Much Does This 'Bill' Cost? Provider Billing and Insurance-Related Costs in the United States Health Care System. Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017

Cole Ziegler – Duke University

Mentor(s): Alex Lirnkakeng, MD

Program: Completed Clinical Research Study Program

Project Title: Impact of Cardiac Magnetic Resonance Imaging on Patient Outcomes in the Emergency Department: A Retrospective Study.

Publications:

Submitted:

Ziegler CE, Painter DM, Borawski JB, Kim RJ, Kim HW, Lirnkakeng AT. Unexpected

Cardiac MRI Findings in Patients Presenting to the Emergency Department for Potential Acute Coronary Syndrome. Manuscript in preparation.

Williams AM, Reis DJ, Powell AS, Neira LJ, Nealey KA, **Ziegler CE**, Kloss ND, Bilimoria JL, Smith CE, Walker BM. The Effect of Intermittent Alcohol Vapor or Pulsatile Heroin on Somatic and Negative Affective Indices during Spontaneous Withdrawal in Wistar-Kyoto Rats. *Psychopharmacology (Berl)* 2012;223(1):75-88. (PMID: 22461104)

Presentations/Abstracts:

Oral:

Ziegler CE, Painter DM, Borawski JB, Kirn RJ, Kirn HW, Linkakeng AT. Unexpected Cardiac MRI Findings in Patients Presenting to the Emergency Department for Possible Acute Coronary Syndrome. American College of Emergency Physicians Research Forum, Washington, DC, October 2017 and Duke University School of Medicine Alpha Omega Alpha Day, Durham, North Carolina, August 4, 2017