



# Surgical Trainee Research Initiative and Evaluation (STRIVE) Annual Report 2016-2017

**Kayla Moore, MPH, Director**

**STRIVE Program**

***Supported by the Department of Surgery***

***Dartmouth Hitchcock Medical Center***

July 2016 – June 2017

## Introduction

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In July 2017, the Department of Surgery introduced STRIVE - The Surgical Trainee Research Initiative and Evaluation (STRIVE) Program to support general surgery and vascular surgery research residents in pursuing their research goals. STRIVE was developed by Kayla Moore and Dr. Philip Goodney based on findings from a participatory needs assessment conducted in April 2016 and responds to needs identified by prior year research residents and department leaders. The goals, structure and key elements of the program were presented to the department chair, Dr. Sandra Wong, and residency program directors, Drs. Philip Goodney and Kari Rosenkranz in June 2016 for input and buy-in (a third residency program director, Dr. Paul Kispert was unable to attend the meeting, but conveyed his support for the proposal). This report summarizes the program components, the activities of the first year (July 2016 - June 2017), and the major projects and accomplishments of the research residents.

The STRIVE program integrates previously established activities, such as ongoing Health Services Research meetings and the annual Surgical Trainees Advancing Research Symposium (STARS), with individualized support for general and vascular surgery research residents, including those enrolled in the VA Quality Scholars Program (VAQS). STRIVE is tailored to meet the individual needs of each research resident, providing consistent support through regular check-ins, project management guidance, and facilitating linkages to resources and research experts when appropriate.



As this report shows, there is a wide range of experience, interests, and goals represented among the current year's research residents. Our approach, in keeping with the DoS' philosophy on resident research, has been to empower residents to chart their own course, while providing guidance and links to resources as appropriate. Residents have autonomy in selecting their mentors, their projects, and forming relationships with collaborators within and beyond our institution.

## STRIVE Program Overview

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The STRIVE program aims to track and support the progress of research residents in the department of surgery and provide department leaders with timely and accurate information on the progress and achievements of research fellows. The needs assessment activities conducted in April 2016 included a survey, mini focus groups and interviews with past research residents. These findings were presented to the department of surgery chair, Dr. Sandra Wong, and residency program directors in June 2016 to gain input and buy-in before the program launch.

### FINDINGS FROM NEEDS ASSESSMENT, APRIL 2016



*"I often at times felt like I was on my own during this year since no one was checking up on me." - prior research resident*

#### CHALLENGES:

- Mentorship engagement
- Getting started - having to "make-up a project"
- Learning how to navigate the system

## STRIVE Structure and Key Elements

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The key elements of the program combine Faculty Mentorship, Mentorship Support, and Oversight from the Department Chair and Residency Program Directors. To help mentors and research fellows make efficient use of their time together, STRIVE uses a mentor-extender model in which research residents have regular check-ins with the STRIVE Research Director, Ms. Moore, in addition to their faculty mentor.

The Research Director helps the research residents with planning, organizing and executing their research projects and facilitates linkages with faculty experts, medical students, and support services as needed. The Department Chair and Residency Program Directors are provided with monthly updates summarizing the current projects of each research resident and their progress. In addition, the Leadership Team and Research Director convened for a semi-annual review meeting to discuss interim progress, challenges, and ideas to further strengthen the program.



## Major Projects and Accomplishments

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Between July 2016 and June 2017 Ms. Moore met every other week with the one-year research residents Drs. Andrew Lambour (general surgery) and David Linshaw (general surgery), and joined Dr. Goodney in regular mentorship meetings with the VAQS Fellows, Dr. Jesse Columbo (section of vascular surgery), and Ravinder Kang (general surgery). She also kept a running list of each resident's projects and short-term goals, and provided monthly updates to the leadership team to keep them informed of residents' progress. The major projects and accomplishments of each research resident are summarized herein.

**Dr. Andrew Lambour:** The primary projects Dr. Lambour has been engaged with this year include: a meta-analysis on the bleeding risk of antiplatelet therapy in non-cardiac surgery; a quality improvement (QI) initiative to improve the discharge timing of surgical patients at DHMC, and; retrospective and prospective studies related to laparoscopic common bile duct exploration (LCBDE).

Dr. Lambour entered his research year with a clear goal of building the research portfolio necessary to secure a Minimally Invasive Surgery (MIS) fellowship after residency. This goal has fueled his focus on several LCBDE projects. *"Given my professional interest in an MIS fellowship, the ability to be involved in prospective and retrospective LCBDE projects was a great opportunity."* In addition to the research projects he has carried out in this area, Lambour has devoted significant effort to collaborating with his primary mentor, Dr. Fernando Santos on an AHRQ grant for LCBDE training. He has attended a grant-writing course and also traveled to Houston, TX for the Society of American Gastrointestinal & Endoscopic Surgeons) Annual

Scientific meeting (SAGES). While at SAGES, Dr. Lambour ran an LCBDE training simulation and met with multi-institutional stakeholders involved in the AHRQ grant. Learning about the process of writing a grant has been a particularly valuable skill for Dr. Lambour, and was a secondary goal of his for the year.



Meanwhile, Dr. Lambour cites the QI project as the most immediately rewarding experience of his research year, *“I had the ability to enact change within my own institution was truly unique.”* The DoS sponsored Lambour to attend a SQUIRE writing workshop in November 2016, which provided him with formal training on writing publications for QI projects. He has submitted two abstracts related to this project and is working on a manuscript. Through this experience, Lambour was able to gain valuable skills in leadership, teamwork, and gained direct experience in analyzing institutional issues, systems, and processes.

Finally, participation in the meta-analysis led by Dr. Jesse Columbo, provided a great opportunity to collaborate with fellow residents and learn about systematic review methods and manuscript writing. Overall, this year has provided Dr. Lambour with a wide variety of research experiences and skills that he will apply to his clinical practice.

## **Publications**

1. **Lambour AJ**, Wong SL. Quality of life and outcomes in patients with malignancies of the groin. In: Malignancies of the Groin: Surgical and Anatomic Considerations. Delman KA, Master VA, editors. Berlin: Springer. In press.
2. Columbo JA, **Lambour AJ**, Sundling RA, Chauhan NB, Linshaw DL, Kang R, Riblet NBV, Goodney PP, Stone DH. A Meta-Analysis of the Impact of Aspirin, Clopidogrel, and Dual Antiplatelet Therapy on Bleeding Complications in Noncardiac Surgery. *Annals of Surgery*. In press.

## **Presentations**

1. **Lambour, Andrew**. Are We Wrongfully Treating Or Under-Treating Periapillary Tumors With Neoadjuvant Therapy. Poster presented at Pancreas Club; May 4-5, 2017. Chicago, IL.
2. **Lambour, Andrew**. Improving the discharge timing of surgical inpatients through a quality improvement initiative. To be presented at American College of Surgeons Quality and Safety Conference, July 21-24, 2017; New York, NY.
3. **Lambour, Andrew**. Pathway to Discharge. Presented at D-H Patient Safety and Quality Week; January 2017. Lebanon, NH.
4. **Lambour Andrew**. Earlier hospital discharges are associated with improved patient satisfaction and decreased 30-day readmission rates. Presented at Surgical Trainees Advancing Research Symposium; April 13-14, 2017; Lebanon, NH.

## **In review**

- **Lambour AJ**. Earlier hospital discharges are associated with improved patient satisfaction and decreased 30-day readmission rates. Abstract submitted to New England Surgical Society.

**Dr. David Linshaw:** Coming into this year, Dr. Linshaw's goal was 'to create the foundation for a cohesive and sustainable' research portfolio. To this end, he took advantage of several workshops and training programs, including the eight-month long SYNERGY Advanced Certificate in Clinical and Translational Research. During the first half of the year, his research interests crystalized around *"the simple idea that mindfulness and meditative practice can improve a variety of outcomes in patients, medical students, and physicians."* Through participation in SYNERGY and consultations with clinical mentors, Linshaw gained valuable skills necessary to take a project from the design stage, through IRB submission, recruitment, implementation, and finally analysis. In addition, through attending multiple workshops and retreats on mindfulness training, he gained an understanding of the interventions currently in use, and by June, will be trained and certified to instruct at least one of these interventions. Below is a brief summary of his three main projects.



Collaborating with Dr. James Stahl (General Internal Medicine, DHMC), Linshaw initiated a feasibility study utilizing the Relaxation Response and Resiliency Program (3RP) intervention in surgical patients. He hypothesizes that surgical patients may benefit from this widely used and validated intervention both in the preoperative and postoperative settings. With guidance from mentors and SYNERGY staff, he has designed a feasibility study to show that 3RP training can be carried out on a small scale in a rural hospital setting. Sixteen postoperative patients and spouses have been recruited to attend the eight-week course, which will run from April to late June. Dr. Linshaw is already working on a manuscript describing the study and results, and plans to use the findings from the current study to design a follow-on project in the preoperative setting.

Dr. Linshaw is also working on a second project utilizing the 3RP intervention to strengthen resiliency in medical students. Medical schools around the country are beginning to use mindfulness based curricula with more frequency. Linshaw and Stahl are working with Geisel faculty and students to integrate the 3RP course as an elective starting in the fall of 2017, and are designing a study to evaluate the feasibility, acceptance, educational objective outcomes, and change over time in resiliency measures among students who take the course, compared to those who do not.

Dr. Linshaw is also working on a third project, Equanimity for the Healthcare Professional, to address specific needs of training health care workers to incorporate mindfulness techniques in their practice. After studying current mindfulness interventions including 3RP, and discussing them with other physicians at workshops, Dr. Linshaw, teamed up with Dr. Tamara Vesel, a

palliative care physician at Tufts Medical Center, to design a curriculum from the ground up for health care professionals. The curriculum is tailored to health care professional's learning styles, time requirements, and needs. This project arose from Dr. Linshaw's personal observations that busy physicians tend to be pragmatic and are trained to learn by observation and simulation over esoteric theory based practice. They submitted a grant to the Mind Life Institute in April 2017 hoping to secure funding for this project.

### External Programs in Research: VA Quality Scholars Program

The VAQS Fellowship is a two-year program that includes a Master's in Science at The Dartmouth Institute for Health Policy and Clinical Practice (TDI). Led by Dr. Louise Davies, Brant Oliver, Brenda Sirovich, and Philip Goodney, this VA-supported research experience has a longstanding history of success in mentorship and career development. It focused on methods in outcomes research, qualitative improvement, and medical communication. A full report can be obtained at <http://www.vaoutcomes.org>. Drs. Columbo and Kang are currently completing their first year of this program.

**Dr. Ravinder Kang:** During the first year of her two-year research fellowship, Dr. Kang's interests have included surgical oncology, healthcare delivery, and resident education. With respect to her interest in healthcare delivery, Kang explains, *"I think implicit in the changes we make is the assumption that those changes manifest as something positive, however they may have no impact whatsoever. I think it's important to assess what we do, in order to really do it better."* As for resident education, Dr. Kang notes, *"The years we train are obviously a very unique time period. The analogy of medical school is like drinking from a fire hydrant applies to residency as well and consequently optimizing that experience is key."*

Kang has worked closely with a number of faculty mentors, including Dr. Sandra Wong, Dr. Louise Davies, Dr. Philip Goodney and her colleagues in the White River Junction VA Outcomes Group, where she participates in weekly research in progress meetings.





## Publications

1. **Kang R**, Columbo JA, Goodney, PP. Assessing the Appropriateness of Carotid Revascularization: In the Eye of the Beholder. JAMA Surgery, 2017 Mar1 [Epub ahead of print]. Pubmed ID: 28249068.
2. Columbo JA, **Kang R**, Goodney PP. Endovascular-First for Chronic Mesenteric Ischemia and the Importance of Long-Term Surveillance. Angiology. 2016 Nov 16.

## Presentations

1. **Kang R**, Colombo JA, Ivatury SJ. The Effect of Neoadjuvant Chemoradiotherapy on Bowel Function for Patients with Rectal Cancer. Presented at Surgical Trainees Advancing Research Symposium; April 13-14, 2017; Lebanon, NH.
2. **Kang R**, Colombo JA, Wong SL. Receipt of Sentinel Lymph Node Biopsy (SLNB) for Thin Melanoma is Associated with Distance Traveled for Care. Presented at Surgical Trainees Advancing Research Symposium; April 13-14, 2017; Lebanon, NH.
3. **Kang R**. The Effect of Neoadjuvant Chemoradiotherapy on Bowel Function for Patients with Rectal Cancer. Poster to be presented at: ASCRS Annual Scientific and Tripartite Meeting; June 10-14, 2017; Seattle, WA.
4. **Kang R**. Do Satisfied Hospital Employees Provide Safer Care. Poster to be presented at Academy Health 2017 Annual Research Meeting; June 25-27, 2017; New Orleans, LA.

## In Review:

1. **Kang R**, Wong SL. Melanoma Surgery: Why don't we let the guidelines guide practice? Manuscript submitted to Annals of Surgical Oncology.
2. **Kang R**. Residents' Perceptions: Impact of Associate Providers on Surgical Training. Abstract submitted to New England Surgical Society.
3. **Kang R**. Receipt of Sentinel Lymph Node Biopsy (SLNB) for Thin Melanoma is Associated With Distance Traveled for Care. Abstract submitted to ACS Clinical Congress.
4. **Kang R**. Tracing the Trajectory of the National Cancer Database (NCDB) and Assessing the Impact of Participant User Files. Abstract submitted to ACS Clinical Congress.

**Dr. Jesse Columbo:** During the first of his two-year VAQS Fellowship, Dr. Columbo has focused his research efforts on the application of advanced level statistics, outcomes of carotid revascularization procedures, and evaluating accuracy of registry-linked Medicare claims datasets.

The first of his primary ongoing projects relates to advanced level statistics using an instrumental variable. In this effort, Dr. Columbo is collaborating with Drs. O'Malley (TDI), MacKenzie (TDI), Staiger (Dartmouth College of Economics) and Goodney on a manuscript describing the clinical application of an instrumental variable method applied to time-to-event outcomes after carotid intervention. This project works to reconcile the differences between observational and randomized studies which show differing results. Using carotid intervention as an example, Dr. Columbo and co-authors will show how the instrumental variable method can be used in other areas where observational and randomized evidence differs. This method was created by the co-authors as part of a PCORI funded research grant.



Dr. Columbo's second primary project has been adjudication of the Vascular Quality Initiative's (VQI) Endovascular Aortic Aneurysm Repair (EVAR) dataset matched to long term outcomes in Medicare claims. Under the guidance of Dr. Goodney, and in collaboration with Dr. Andrew Hoel (Northwestern), Columbo directed Geisel medical students Karissa Tauber, Regis Hila, and Kathleen Leinweber, in conducting a chart review to adjudicate the Medicare coding algorithm used to detect reintervention events after EVAR using VQI registry data linked to long-term outcomes derived from Medicare claims.

A third major project of Dr. Columbo's has been developing a grant for a Duplex flow phantom project. Together, with Dr. Aiello (University of Massachusetts Medical School), Dr. Alef (University of Vermont Medical Center), Dr. Lucas (VA outcomes group), and Frank Miele (Pegasus Lectures), Columbo has conceptualized a project to analyze the accuracy and reproducibility of duplex ultrasound velocity measurements made using a flow phantom model across three different institutions. The team has submitted a proposal to the New England Society for Vascular Surgery and is currently awaiting a funding decision.

## Publications

1. **Columbo J**, McCallum JC, Goodney PP, Bower TC, Schermerhorn ML, Powell RJ, DeMartino RR. Multicenter Experience of Surgical Explantation of Carotid Stents for

Recurrent Stenosis. *Vascular and Endovascular Surgery*, 2016 Nov; 50(8):547-553.  
Pubmed ID: 27881699

2. **Columbo JA**, Nolan BW, Stucke RS, Rzucidlo EM, Walker KL, Powell RJ, Stone DH. Below-Knee Amputation Failure and Associated Poor Functional Outcomes are Higher than Predicted in Contemporary Practice. *Vascular and Endovascular Surgery*, 2016 Nov;50(8):554-558. Pubmed ID: 27909207.
3. **Columbo JA**, Kang R, Goodney PG. Editorial: Endovascular-First for Chronic Mesenteric Ischemia and the Importance of Long-Term Surveillance. *Angiology*, 2016. Nov 16. [Epub ahead of print] Pubmed ID: 27856668
4. **Columbo JA**, Suckow BD, Griffin CL, Cronenwett, JL, Goodney PP, Lukovits TG, Zwolak RM, Fillinger MF. Carotid Endarterectomy Should Not be Based on Consensus Statement Duplex Velocity Criteria. *Journal of Vascular Surgery*, 2017 Apr;65(4): 1029-1038.e1  
Pubmed ID: 28190714
5. Kang R, **Columbo JA**, Goodney, PP. Assessing the Appropriateness of Carotid Revascularization: In the Eye of the Beholder. *JAMA Surgery*, 2017 Mar1 [Epub ahead of print]. Pubmed ID: 28249068.
6. **Columbo JA**, Lambour AJ, Sundling RA, Chauhan NB, Linshaw DL, Kang R, Riblet NBV, Goodney, PP, Stone, DH. A Meta-Analysis of the Impact of Aspirin, Clopidogrel, and Dual Antiplatelet Therapy on Bleeding Complications in Noncardiac Surgery. Accepted to the *Annals of Surgery*, April 2017.

## Presentations

1. **Columbo JA**, Martinez-Cambor P, Kang R, MacKenzie TA, Staiger DO, O'Malley AJ, Goodney PP. Long-Term Mortality After Carotid Revascularization: A Novel Instrumental Variable Method for Valid Inference Presented at Surgical Trainees Advancing Research Symposium; April 13-14, 2017; Lebanon, NH.
2. **Columbo JA**, Kang R, Newhall KA, Walker KL, Voorhees A, Rzucidlo EM, Goodney PP. Can thiazolidinediones limit the long-term risk of reintervention for Veterans undergoing peripheral arterial stenting or atherectomy? To be presented at Association of VA surgeons; May 7-9, 2017; Houston, TX.
3. **Columbo JA**, Tauber K, Leinweber K, Hila R, Hoel A, Stone D, Goodney P. The Vascular Quality Initiative Linked to Medicare Claims Accurately Captures Long-Term Reintervention Rates after Endovascular Aneurysm Repair. To be presented at Vascular Annual meeting; June 2017, San Diego, CA.
4. **Columbo JA**. Patient Experience of Early and Late Recovery After Major Leg Amputation for Arterial Disease: A Qualitative Study. Poster to be presented at Vascular Annual meeting; June 2017; San Diego, CA.

## STRIVE Faculty Mentorship and Collaboration

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### **Columbo, Jesse**

Faculty Mentors	Philip Goodney, MD, MD Mark Fillinger, MD David Stone, MD	DHMC, Vascular Surgery DHMC, Vascular Surgery DHMC, Vascular Surgery
Faculty Collaborators	James O'Malley, PhD Todd MacKenzie, PhD Doug Staiger, PhD Andrew Hoel, MD Francis Aiello, MD Matthew Alef, MD Brian Lucas, MD	The Dartmouth Institute The Dartmouth Institute Dartmouth College of Economics Northwestern, Vascular Surgery UMASS Worcester, Vascular Surgery University of Vermont, Vascular Surgery VA Outcomes Group, White River Junction VA Medical Center
Medical Students	Frank Miele, MS Karissa Tauber Kathleen Leinweber Regis Hila Camilo Martinez	Pegasus Lectures, Texas Geisel School of Medicine at Dartmouth Geisel School of Medicine at Dartmouth Geisel School of Medicine at Dartmouth Geisel School of Medicine at Dartmouth

### **Kang, Ravinder**

Faculty Mentors	Sandra Wong, MD, MS Louise Davies, MD, MS Philip Goodney, MD, MS	DHMC, Chair, Department of Surgery DHMC, General Surgery DHMC, Vascular Surgery
Faculty Collaborators	Kerrington Smith, MD George Blike, MD Richard Barth, MD	DHMC, General Surgery DHMC, General Surgery DHMC, General Surgery

### **Lambour, Andrew**

Faculty Mentors	Byron F. Fernando Santos-Aleman, MD	DHMC, General Surgery
Faculty Collaborators	Carolyn Kerrigan, MD Sandra Wong, MD, MS Philip Goodney, MD, MS	DHMC, General Surgery DHMC, Chair, Department of Surgery DHMC, Vascular Surgery
Medical Students	Karissa Tauber Kathleen Leinweber	Geisel School of Medicine at Dartmouth Geisel School of Medicine at Dartmouth

### **Linshaw, David**

Faculty Mentors	James E. Stahl, MD Meredith Sorensen, MD	DHMC, General Internal Medicine DHMC, General Surgery
Faculty Collaborators	Tamara Vesel, MD	Tufts University Medical Center Floating Hospital, Palliative Care
Medical Students	Erin Floyd Reza Hessabi	Geisel School of Medicine at Dartmouth Geisel School of Medicine at Dartmouth

## STRIVE Educational Programs and Courses

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### **Columbo, Jesse**

The Dartmouth Institute for Health Policy and Clinical Practice, MS degree program	Ongoing
VA Outcomes Group, White River Junction VA Medical Center	Ongoing
VA Quality Scholars Program, White River Junctions VA Medical Center, 2-year fellowship	Ongoing
University of Massachusetts Vascular Skills Program	April 2017
Pacific Northwest Endovascular Course	May 2017
Vascular Annual Meeting	June 2017

### **Kang, Ravinder**

The Dartmouth Institute for Health Policy and Clinical Practice, MS degree program	Ongoing
VA Outcomes Group, White River Junction VA Medical Center	Ongoing
VA Quality Scholars Program, White River Junctions VA Medical Center, 2-year fellowship	Ongoing

### **Lambour, Andrew**

SQUIRE Writing Conference	November 2016
SAGES Annual Scientific Meeting	March 2017
DHMC Grant Writer's Retreat	April 2017
"Dealing with Differences: Communication, Negotiation and Teamwork," The Dartmouth Institute for Clinical Practice and Health Policy	Fall 2016

### **Linshaw, David**

Wonderful Mountain Refuge Winter Retreat. Led by Willa Miller, PhD.	January 2017
Unconditional Compassion, Foundation for Active Compassion, Boston College. Led by John Makransky, PhD.	
Sustainable Compassion Training (SCT) Workshop. Led by John Makransky, PhD	March 2017
SYNERGY Advanced Certificate in Clinical and Translational Research, Dartmouth	Sep 2016 – April 2017





## STRIVE Research Meetings and Events

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In addition to regular check-ins with research residents, STRIVE has integrated the elements for sharing research and receiving peer feedback that were previously in place. Twice a month, Dr. Goodney chairs a Surgical Health Services Research (HSR) meeting in the Department of Surgery, aimed at providing residents and faculty with a venue for sharing research in progress, receiving feedback, and refining ideas. This year, research residents participated regularly as presenters and in discussions.



### Surgical Health Services Meetings – Schedule of Presenters

DATE	PRESENTER	TOPIC
8/17/2016	Jennifer Perri	Factors Affecting Operative Time and Outcome of Carotid Endarterectomy (CEA) In the Vascular Quality Initiative (VQI)
9/18/2016	Andrew Lambour	Audience and outcomes for a QI discharge project
10/5/2016	Ravinder Kang	An abstract for a manuscript on sarcoma surgical volume thresholds.
12/9/2016	David Linshaw	3RP Feasibility Study
1/13/2017	Philip Goodney	Evaluation of procedural trends using nationwide inpatient sample
2/24/2017	Raphael Louie	
3/3/2017	David Linshaw	Updates On 3RP Feasibility Study
3/10/2017	Andrew Lambour	The Laparoscopic In Biliary Exploration Research and Training Initiative (LIBERTI) Study grant application
3/24/2017	Philip Goodney	Journal Club discussing, Logistic Regression Diagnostics: Understanding How Well a Model Predicts Outcomes by William J. Meurer, MD,MS; Juliana Tolles, MD, MHS. JAMA. 2017
4/5/2017	Karissa Tauber (Geisel)	Medicare-Linked Registries Can Accurately Capture True Clinical Events
4/28/2017	Kathleen Leinweber (Geisel)	Review of Decision Aids in Medical and Surgical Practice
5/12/2017	Jesse Columbo	TBD
6/9/2017	Ravinder Kang	TBD

## Surgical Trainees Advancing Research Symposium (STARS-5)

Fourteen young surgical investigators, participated in the fifth Surgical Trainees Advancing Research Symposium (STARS-5) this year, including three research residents. STARS was founded in 2013 by Drs. Stephan Holubar and Philip Goodney to promote interest in surgical health services research among young surgeons through a spirited competition. Dr. Kari Rosenkranz and Dr. Goodney co-directed this year's event, which was held over two days on April 13<sup>th</sup> and 14<sup>th</sup>. New this year was a Thursday Night "Dinner with the Stars" featuring keynote speaker Dr. Karl Bilimoria and "Quickshots" from residents. The symposium continued the next morning, April 14<sup>th</sup> with "Rising Stars Presentations" featuring the top young surgical investigators. DHMC's surgeon judges Drs. Sandra Wong, Kari Rosenkranz, Alexander Iribarne, Joga Ivatury, Florian Schroeck, Philip Goodney, Joseph Philips and visiting faculty, Dr. Karl Bilimoria, scored each talk. First, second and third place awards were given to the top presenters.

**First place:** Maureen Hill, MD, MS "An Educational Intervention Decreases Opioid Prescribing after General Surgical Operations".

**Second place:** Jesse Columbo, MD, MS, VA Outcomes Group Fellow, "Long-Term Mortality After Carotid Revascularization: A Novel Instrumental Variable Method for Valid Inference",

**Third place:** John Fallon, MD, MS "The incidence and consequence of patient prosthesis mismatch after surgical aortic valve replacement".

**Young Investigator:** Karissa Tauber, Geisel School of Medicine, "Medicare-Linked Registries Can Accurately Capture True Clinical Events".



Presenters from the Fifth Annual STARS: From left to right: Kevin Koo, Jesse Columbo, Maureen Hill, Karissa Tauber, Ravinder Kang, John Fallon, Christopher Funderburk



# THE FIFTH ANNUAL STARS

(SURGICAL TRAINEES ADVANCING RESEARCH SYMPOSIUM)



## Thursday Nite Dinner with the Stars

Featuring Keynote Presentation and “Quickshots” from surgical trainees. April 13<sup>th</sup>, 2017 from 5:30 – 8PM. Auditorium F

5:30 Reception and Hors D’ oeuvres

Order	Time	Author	Title
1	6:03 PM	Ravinder Kang, MD, MS	The Effect of Neoadjuvant Chemoradiotherapy on Bowel Function for Patients with Rectal Cancer
2	6:10 PM	Annah Vollstedt, MD	Regional Variation in Diagnostic Testing for Overactive Bladder in the Female Medicare Population
3	6:17 PM	Ian C. Bostock, MD, MS	Local Anesthesia in Elective EVAR Reduces Resource Utilization Without Affecting Outcomes
4	6:24 PM	Lael Reinstatler, MD, MPH	Association of pregnancy with stone formation among US women: A National Health and Nutrition Examination Survey analysis 2007-2012.
5	6:30 PM	Karl Bilimoria, MD, MS, Northwestern University's Feinberg School of Medicine	Informing Policy with Evidence: The FIRST Resident Duty Hour Trial
6	7:45 PM	Andrew Lambour, MD	Improving the Discharge Timing of Surgical Inpatients Through a QI Initiative
7	7:52 PM	Marc A. Polacco, MD	Utility of Lingual Tonsillectomy in the Unknown Primary
8	7:59 PM	Alyssa M. Flores	Decision-Making in Low Risk Patients with Severe Aortic Stenosis – Are Frailty Markers Useful?

## Friday Morning Rising Stars Presentations

Full length presentations from Surgical Trainees. April 14<sup>th</sup>, 2017 from 6:45 – 8:30AM. Auditorium G

6:30 Reception with Coffee Service

Order	Time	Author	Title
1	6:45 AM	Karissa Tauber	Medicare-Linked Registries Can Accurately Capture True Clinical Events
2	7:00 AM	John M. Fallon, MD	The incidence and consequence of patient prosthesis mismatch after surgical aortic valve replacement
3	7:15 AM	Maureen V. Hill, MD	An Educational Intervention Decreases Opioid Prescribing after General Surgical Operations
4	7:30 AM	Jesse A. Columbo, MD	Long-Term Mortality After Carotid Revascularization: A Novel Instrumental Variable Method for Valid Inference
5	7:45 AM	Christopher Funderburk, MD, MS	Innovations in the Surgery Care Pathway: Using Telemedicine for Clinical Efficiency and Patient Satisfaction
6	8:00 AM	Kevin Koo, MD, MPH	The Burden of Cystoscopic Bladder Cancer Surveillance: Anxiety, Discomfort, and Patient Preferences for Decision-Making
7	8:15 AM	Ravinder Kang MD, MS	Receipt of Sentinel Lymph Node Biopsy (SLNB) for Thin Melanoma is Associated With Distance Traveled for Care.

## Looking Ahead

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Since the launch of STRIVE, Ms. Moore has worked closely with the 2016-2017 general surgery research residents and VA Quality Scholars Research Fellows from the department of surgery, and kept leadership informed of their progress and challenges. Together, with Dr. Goodney, she has tailored the program to meet the individual needs of each research resident, providing consistent support through regular check-ins, project management guidance, and facilitating linkages to resources and research experts when appropriate.

In the months and year ahead, the STRIVE team will convene several more times. Drs. Wong, Rosenkranz, Goodney, Kispert and Ms. Moore will have an end-of-year review meeting to reflect back on the successes and challenges of the first year and identify areas for improvement in the future. Ms. Moore and Dr. Goodney also aim to bring together this year's outgoing research residents with next year's incoming residents to facilitate a discussion and encourage residents to share insights, discuss research ideas, and form collaborations. This will also be an opportunity for outgoing residents to handover of any unfinished projects.

Ms. Moore has already reached out to residents coming out for research for the 2017-2018 year to encourage them to begin thinking about project ideas, and will continue to work with them to ensure they are well-positioned to meet their goals for their research year. Our hope is that as the STRIVE program continues into its second year, the insights and lessons learned from the first year will lead to greater support, guidance and valuable connections for incoming research residents.