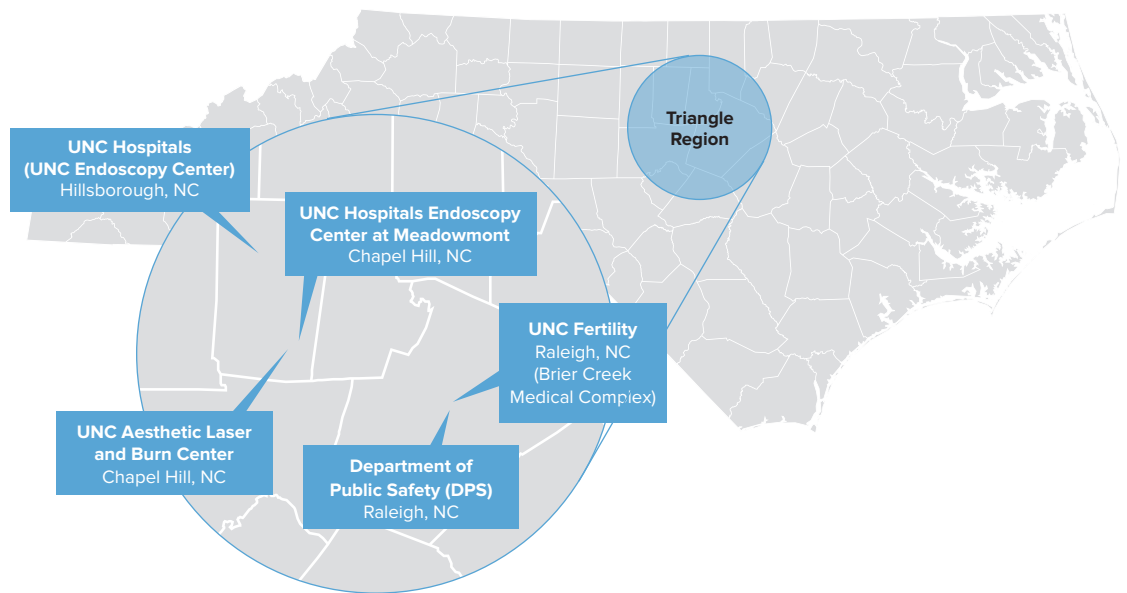


INSIDE THIS ISSUE

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- Profile: Dr. Bob Valley
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- January – June 2018 Faculty Publications, Awards & Presentations
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Non-OR Anesthesia Services Widespread and Rebranded

Satellite Anesthesia Services Across Triangle



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5th Annual CRNA Annual Spring Meeting
March 9, 2019

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Out of OR Anesthesia Division Chief and Assistant Professor Dr. Kate Cobb faced a pleasant dilemma this year: Non-Operating Room Anesthesia (NORA) services had grown to the extent that Department leadership tasked faculty members with renaming these services to better reflect their presence across central North Carolina. The consensus? — Satellite Anesthesia Services (SAS).

Dr. Cobb noted: “This new name gives well-deserved attention to what our services represent. We needed a better name than we gave our services initially because it much better demonstrates how far-reaching our patient services have extended over the past five plus years.”

Former Division Chief Dr. Bryant Murphy was asked to join the Department in large part to build relationships with practice locations outside of the ORs and negotiate successful service arrangements. During his tenure as Division Chief, the Department grew substantially, with the majority of the growth occurring in the NORA Division.

Starting in 2012, the Division launched general anesthesia (GA) services linked to Gastrointestinal (GI) Medicine subspecialty care at the UNC Hospitals Endoscopy Center at Meadowmont in Chapel Hill. Soon thereafter, GA services expanded to UNC Aesthetic Laser and Burn Center in north Chapel Hill and eastward to UNC Fertility at Brier Creek. Reaching further within the greater Raleigh area, the Division initiated GA services at the Department of Public Safety (DPS)'s Division of Adult Correction. In 2017, the Department joined the many UNC disciplines expanding their presence at the growing UNC Hospitals Hillsborough (UNCH HBH) campus through setting up GA services for GI Medicine procedural care at UNCH HBH's Medical Office Building.

Over six years, increased procedural space and clinical service days at the Division's offsite locations have become the most visible signs of GA growth. At DPS, GA services days have grown from four to five per week to keep pace with DPS' significant case load. At Meadowmont's ever-expanding endoscopy practice, plans are in the works to move from three to four GI procedural rooms.

continued from page 1



“When independent disciplines within a major academic medical center work collaboratively on patients with chronic, systemic illness, there are significant benefits for accomplishing procedural tasks for medically challenging cases.”

Out-of-OR Division Chief and Assistant Professor Dr. Kate Cobb

Multi-disciplinary collaboration can be critical for SOM units working with patients who have an established need for their subspecialty services. Division faculty have adopted an effective system over six years of tapping provider expertise system-wide.

As Cobb and her team weigh where next to expand the newly renamed Satellite Anesthesia Services, they are accounting for both their own offsite resources, as well as what they need from other SOM disciplines reliant upon GA patient care. Ultimately, Dr. Cobb’s team aims to offer GA patient care

expected of a top-tier academic medical center at an increasing number of satellite locations.

Cobb notes: “The crucial task is to determine whether each procedural case in these locations has the appropriate equipment, staffing and resources onsite to conduct a patient procedure. The demand is there. We have to standardize GA patient care across all satellite locations that is equivalent to the quality of services we’ve traditionally offered at our two [UNCH] campuses.”

Pre-Care Team Receives Carolina Care Top Award



Pre-Care team members (L to R): Pre-Care NPs Christy Nagel and Renee Rosiek; Pre-Care Manager (RN) Nancy Gleason; and Medical Director Dr. Ricardo Serrano

The Department of Anesthesiology would like to congratulate our Pre-Care Clinic team for being awarded the “Carolina Care Top Achiever Award.” The select clinics that UNC HCS honors every year with this award are chosen for providing an outstanding patient experience. In early September, the Department’s Pre-Care team members were honored by the Carolina Care leadership alongside providers from other recognized UNC HCS clinics in a ceremony at UNC Medical Center. Pre-Care Clinic team members include: Medical Director Dr. Ricardo Serrano, Pre-Care Manager Nancy Gleason and Pre-Care Nurse Practitioners Christy Nagel and Renee Rosiek.

“Our Pre-Care team has worked very hard in improve our [FY 18] patient satisfaction goals. I am proud to work with a professional and caring group of clerks, nurses, nurse practitioners, residents and faculty members who day to day provide exceptional care to our patients.”

– Dr. Ricardo Serrano, Pre-Care Clinic Medical Director

NUMBERS AT A GLANCE*

UNC Department of Anesthesiology

6

Off-campus Satellite Anesthesia Services Locations



NC Department of Public Safety
2 rooms
1,050 cases per year



UNC Chatham Hospital
3 rooms
1,200 cases per year



UNC Burn Reconstruction and Aesthetic Center
1 room
300 cases per year



UNC GI at Hillsborough MOB
1 rooms
1,600 cases per year



UNC GI at Meadowmont
3 rooms
4,900 cases per year



UNC Fertility
1 room
300 cases per year

20,000 +

cases performed annually

\$5.2 million

in clinical revenue

* As of November 2018



Chairman's Note

David A. Zvara, MD
Professor and Chair

Getting Past the Red Line

How does one measure the impact of a highly performing Anesthesiology Department? Is it the number of faculty? Number of publications? Research dollars? Clinical Revenues? Safety statistics? Efficiency metrics? All the above?

We each have a different opinion about what makes a Department great. As I reflect on this, I break it down into two broad areas: depth and breadth. UNC Anesthesiology has both.

Think about the quality and achievements of our faculty, residents, researchers, CRNAs, staff and anesthesiology technicians. We recruit amazing talent from around the country and the world. Applications for our residency program come from all 50 states. CRNA applicants preferentially seek our program.

Once here, the expectations are high. Our people must understand our culture of caring and mutual support. Everyone here is technically competent; many are recognized national experts in their field. But to truly achieve at UNC Anesthesiology, one must also treat others with dignity and respect and model professionalism. In the absence of those qualities, the technical abilities are a hollow shell.

We are driven to contribute to our highest potential. In research, we are #7 in the country for funding. At the ASA, UNC Anesthesiology was present every day on the program. Our CRNAs lead nationally at the AANA meetings. We are everywhere.

In this issue of *Carolina Dreaming*, we see how UNC Anesthesiology is taking an active role in expanding access to care. Dr. Kate Cobb's efforts in leading our Satellite Anesthesiology Division allows anesthesia care in remote locations. There is an update on how our UNC Anesthesiologists participation at the American Board of Anesthesiology. Finally, there is a piece on the exciting new outreach efforts educating our anesthesiology technicians at Durham Technical Community College.

The "red line" is an expression for that tape mark on the floor separating the sterile operative environment from the rest of the hospital. In the old days, Anesthesia was practiced solely behind the "red line." Not anymore. Our physician anesthesiologists, critical care specialists, pain physicians, resident physicians, researchers, quality experts, CRNAs, clinical psychologists, nurse practitioners, technicians, and our staff work collaboratively to bring our care, our standards and our vision of healthcare well beyond the red line!

My hat is off to each and every one of you for making our Department and our care something special.

A Big Hand in Board Certification

UNC has the ABA's Highest Single-Institution Number of ADVANCED, APPLIED and MOCA® Examiners Nationwide

For the ABA, 2018 will be remembered as a year when demonstration of physician competence in communication, professionalism and technical skills were added to the primary certification process of diplomate candidates. For maintenance of ABA certification, 2018 will also be remembered for establishing a career-continuum learning program in place of decennial testing.

In March 2018, the ABA added an Objective Structured Clinical Examination (OSCE) component to its APPLIED Examination, the final of the three exams in primary certification. Joining the long-standing, Standardized Oral Examination, the OSCE expands the final candidate assessment of technical skills (e.g., echocardiogram interpretation, ultrasonography application) to communication and professionalism in critical and non-critical event management. Across all 24 ABMS specialty boards, the ABA became the first to add OSCE to its primary certification process.

Associate Professor Dr. Rob Isaak and Professor Dr. Harendra Arora have worked on the ABA's OSCE Development Task Force and subsequent OSCE Committee since 2015. As the Department's Residency Simulation Program Director, Isaak has been a leader at UNC's School of Medicine (SOM), integrating high-fidelity simulation into medical education. He served as Vice-Chair of the ABA OSCE Committee leading up to this year's roll-out.

Isaak noted: "The ABA implemented the OSCE to ensure diplomates possessed the communication, professionalism and technical skills required for practice in anesthesiology. The oral exam traditionally asks candidates what they would do in a particular clinical situation, whereas the OSCE makes candidates actually demonstrate how they would handle the situation."

"This work helps set the bar for safe patient care in our specialty. It is gratifying to know so many of the physician anesthesiologists at UNC are involved in this process."

— Dr. David Zvara, UNC Department of Anesthesiology Chair

The updated Maintenance of Certification in Anesthesiology (MOCA®) program requires diplomates with time-limited certification to complete a four-part program over 10 years. Piloted in 2015, MOCA® 2.0 introduced CME and specialty-targeted QI activities to the decennial program.

In May 2018, the piloted MOCA® 2.0 became a permanent path to maintenance of certification. Joining the required MOCA® CME and QI activities, the newly added MOCA Minute® signaled the ABA's shift to 100% continuous learning metrics in reinforcing diplomate best practices.

In the months since, the MOCA Minute® has been rapidly integrated into diplomate practice as an iterative tool for demonstrating an up-to-date knowledge base. Every Monday, 27,000 ABA diplomates are sent email links referencing questions that most answer utilizing their smart phones.



(L to R): ABA Examiners Drs. Concetta Lupa, Harendra Arora, Anthony Passannante & David Zvara. Not pictured: Drs. Peggy McNaull, Bryant Murphy, Rob Isaak, Hemanth Baboolal, Cody Rowan & Justin Rountree.

As Chair of the MOCA® Examination Committee, he has been involved in transforming the MOCA Minute® knowledge assessment component from an outdated exam every 10 years to an interactive program reflecting modern-day practice.

Of the ABA's three-part staged exams, seven Department faculty (Drs. David Zvara, Bryant Murphy, Harendra Arora, Rob Isaak, Peggy McNaull, Hemanth Baboolal and Cody Rowan) currently serve as APPLIED Examiners. Dr. McNaull additionally serves as an Examiner for the post-residency ADVANCED exam. Along with four more Department faculty serving as MOCA® Examiners (Drs. Concetta Lupa, Justin Rountree, Anthony Passannante, and Cody Rowan), UNC's total number of ABA Examiners is the largest nationwide from a single institution.

Department Executive Vice-Chair Dr. Anthony Passannante has served as an APPLIED Examiner for 14 years. Passannante noted: "UNC's large number of current ABA Examiners reflects the overall increased academic profile of our Department."

As the ABA lends its progressive restructuring mindset to modern-era medical specialty certification, UNC Anesthesiology is uniquely positioned to help the Board advance the future of testing.

UNC Department of Anesthesiology Chair Dr. David Zvara noted: "I am so very proud of our departmental contributions to the [ABA]. Many of our faculty participate in the oral board examination process, the written boards and MOCA®. This work helps set the bar for safe patient care in our specialty. It is gratifying to know so many of our physician anesthesiologists at UNC are involved in this process."

Partnering to Certify Anesthesia Techs a ‘Win-Win’ for UNC and Durham Tech

In summer 2017, a Chair’s office discussion with newly appointed Medical Director for Anesthesia Support Services Dr. Chris Howard centered on UNC’s shortage of trained Anesthesia Technicians and Technologists (ATT)s. Understaffing of skilled ATTs had reached a critical point at UNC Medical Center (UNCMC). Howard was tasked with partnering with a regional two-year college to create a program that would produce certified Anesthesia Technologists (Cer.ATT)s. Launching an Anesthesia Technology certification program in the area would allow UNC to recruit graduates and begin resolving the short-staffing of skilled ATTs.

No Anesthesia Technology certification program exists in North Carolina. For UNCMC and other regional facilities lacking Cer.ATT expertise, Durham Technical Community College (Durham Tech) was the obvious two-year institution with whom to co-develop a program in the Triangle area. Its Health Technologies Department had the readily available space at Durham Tech’s growing Hillsborough campus. Once past core classroom learning, students could also advance through practicum rotations across the street at UNC Hospitals’ Hillsborough campus. Howard contacted Health Technologies Department Head and Dean Melissa Ockert, and a partnership was formed.

Over 26+ years, UNC Medical Center (UNCMC) ATTs working across the peri-operative disciplines out of Surgical Services were supervised by Anesthesia Support Manager Gail Walker. In 2017, Walker teamed with Howard to integrate UNCMC’s ATTs into the Department’s staff base. When the Durham Tech partnership came along in the same months, the two collaborated from its outset in June 2017 to achieving a certified ATT program a year later.

From UNC, Howard and Walker brought the anesthesia knowledge and program management expertise to Durham Tech’s application to establish a certification program. Both developed the curriculum and course outlines to train students on the Cer.ATT’s role working with anesthesiologists, CRNAs and other providers. In June 2018, the North Carolina Community College System approved it. The aim now is to achieve Commission on Accreditation of Allied Health Education Programs (CAAHEP) accreditation.

With early summer program approval, the timing was right for Walker to transition her years of Anesthesia Services leadership at UNC to the actual training grounds. UNC and Durham Tech had just two months to recruit students for the fall semester, and Durham Tech appointed Walker as Program Director. By August 2018, Walker had recruited 10 applicants as the certification program’s first enrollees.

Covering first-semester courses alongside Durham Tech Health Technologies instructors, Walker teaches a hybrid introductory class and its online pharmacology class (developed by Howard). As the program advances, full- and part-time faculty will be hired. When this first class advances to the laboratory and hands-on learning, anesthesia technology equipment donated by UNC’s Department of Anesthesiology will be used to teach knowledge and expertise needed to use specialized equipment unique to anesthesiology. UNC’s long-term aim is to have all ATTs integrated into the Department’s Anesthesia Services staffing base be certified.

Dr. Howard notes: “Durham Tech’s readiness to partner was well-timed to UNC’s need for a certification program in the region. Without one near North Carolina, we’ve had a long-standing shortage of highly trained [ATTs] with OR expertise. In a year’s time, we made the proposal, designed the curriculum, requisitioned the needed equipment, recruited students and had the first day of school! In two years, we’ll be ready to recruit program graduates to fill empty ATT spots in our growing department, primarily at [UNCMC’s] main campus.

I’m pleased to have worked with Gail twice in the past year on two big initiatives. Her leadership with the American Society of Anesthesia Technologists and Technicians [ASATT] will enable us work to closely with them to ensure our program meets the highest standards to gain CAAHEP accreditation.”

The UNC-Durham Tech partnership that launched the Anesthesia Technology program has been featured in *North Carolina Health News* and *Chapelboro.com*.



Left: Program Director Gail Walker (R) assists an ATT student with hands-on learning of anesthesia-specific equipment used in the OR setting. **Right:** Chapelboro.com On-Air Host Aaron Keck (R) interviewed Durham Tech Dean & Department Head Melissa Ockert (L) & Gail Walker (C) in September about Durham Tech’s new ATT certification program.

Bob Valley: An Eye for Detail in Practice and Painting

In the North Carolina Children's Hospital, a 12" x 16" painting of Cape Hatteras lighthouse hangs in an office space shared by Pediatric Anesthesia Division faculty. The piece is more than just a nice touch of art decorating the walls of UNC Hospitals. It has a backstory.

The work was donated by Dr. Bob Valley. Dr. Valley first came to UNC in 1980 as a resident in Pediatrics. By 1987, after completing Pediatric and Anesthesia residencies and a fellowship in Pediatric ICU and Anesthesia, he joined the faculty, specializing in Pediatric Cardiac Anesthesia. After 29 years on faculty, he retired from the department in 2016.

During his years at UNC, Dr. Bob Valley was seen as a professionally gifted individual. Associate Professor Dr. Janey Phelps recalls his eye for the business: "I will always remember his attention to detail, from how he would tape up an intravenous catheter, to arranging all the patients' lines on a green towel at the head of the cardiac OR table."

Dr. Valley was also admired for his life balance as an avid runner and gardener. Prior to medical school, he had also pursued a keen interest in studio art. Painting, graphic arts and drawing were his areas of interest. Once medical school and a career in medicine began, this pursuit was put on the back burner for the next 35 years.

Upon retiring from medicine, one of Dr. Valley's first explorations was attending a number of classes at the ArtsCenter in Carrboro.

"Entering retirement, I was pleased to discover that my right brain talent had survived all those years of left brain exercise," he noted.



(L to R): Dr. Bob Valley at home / Painting of Valley residence interior

CONGRATS!
to our Pediatric Anesthesia team
for logging its 50th nitrous oxide
sedation since May 2017.

He converted a large space over his garage into his own studio and has re-immersed himself in a mix of paints, pencils and charcoal. "I paint some subjects that draw on my own interests, but I also have enjoyed creating pieces that have special meaning to friends, albeit old cars, buildings or even family pets."

For his gift to former colleagues on UNC's Pediatric Anesthesia team, Valley painted the Hatteras proverbial beacon in tribute to a soul who inspired all within the Department of Anesthesiology in years past.

As Division Chief Dr. Sara Pittenger states: "When I asked Dr. Valley if he would be able to donate one of his works to our team, he said that he would paint 'Barney the Dinosaur' [reference to a standing insider joke in the Pediatric Division]. Of course, instead he gave us this beautiful lighthouse, which reminded him of Dr. Ed Norfleet." (editor note: former Department Chair and beloved faculty member)

Dr. Pittenger added: "Seeing his painting every time I walk into the pediatric faculty office, I smile and think of Bob. It helps remind me of where we have been, and also where we are heading as a division."



Pediatric Anesthesia Division team with Valley-donated painting of Cape Hatteras lighthouse
Front (L to R): Drs. Karene Ricketts & Concetta Lupa. Back (L to R): Drs. Aaron Low, Peggy McNaull, Sara Pittenger & Hemanth Baboolal

2017-2018 NEW HIRES

UNC Department of Anesthesiology



FACULTY

Stephen Acosta	Clinical Instructor	Sept 2018
George Dignan	Clinical Instructor	Aug 2018
Jacqueline Linton	Clinical Instructor	Sept 2018
Daniel McMillan	Clinical Instructor	July 2018
Katherine St. Romain	Clinical Instructor	Sept 2017
Jennifer Allan	Clinical Asst Professor	Jan 2018
Xinming "Simon" An	Research Asst Professor	July 2018
Samuel Blacker	Clinical Asst Professor	June 2018
Vishal Dhandha	Clinical Asst Professor	July 2017
David Flynn	Clinical Asst Professor	Jan 2019
Benjamin Heller	Clinical Asst Professor	July 2017
Martha Kenney	Clinical Asst Professor	Oct 2018
Aaron Low	Clinical Asst Professor	Aug 2018
Skye Margolies	Clinical Asst Professor	Jan 2019
Irina Phillips	Clinical Asst Professor	Sept 2018
Marwa Sidani	Clinical Asst Professor	Aug 2018
Alan Smeltz	Clinical Asst Professor	Aug 2018
Robb Wasserman	Clinical Asst Professor	July 2018

STAFF

Matthew Arnold	Soc/Clin Research Assistant	July 2018
Victoria Dekle	Admin Support Associate	March 2018
Sophie Flotron	Soc/Clin Research Assistant	July 2017
Aretha Franklin	Business Services Coordinator	Sept 2018
Diana Haith	Admin Support Specialist	Nov 2018
Valerie Hancock	Admin Support Associate	July 2018
Angel Hicks	Admin Support Specialist	Nov 2018
Leanne Heilman	Accounting Technician	Oct 2018
Madisyn Hill	Soc/Clin Research Assistant	Feb 2017
Valentina Marginean	Soc/Clin Research Assistant	Nov 2017
Leigh McGill	Soc/Clin Research Assistant	Jan 2018
Emmalee Metzler	Soc/Clin Research Assistant	July 2017
Alice Mintz	Soc/Clin Research Specialist	Aug 2018
Carissa Novak	Women's Health Study Lead Coord	July 2018
Jennifer Novotny	Admin Support Specialist	April 2018
Sarah Ratkiewicz	Soc/Clin Research Assistant	March 2018
Dana Sadek-Iliaifar	Soc/Clin Research Specialist	Oct 2017
Whitney Skillen	Soc/Clin Research Assistant	Nov 2017
Carmen Thorpe	Admin Support Specialist	May 2018
Andrew Tungate	Soc/Clin Research Specialist	May 2018
Kristen Witkemper	Soc/Clin Research Assistant	July 2017

Alvis Page & Dr. Lavinia Kolarczyk Shine in 2018



In early October, long-time Department member and 55+-year UNC employee Alvis Page (*above with Chancellor Carol Folt*) was recognized amongst 465 University honorees at the Office of Human Resources' Service Recognition Breakfast for State of NC service ranging from 25 to 55 years.

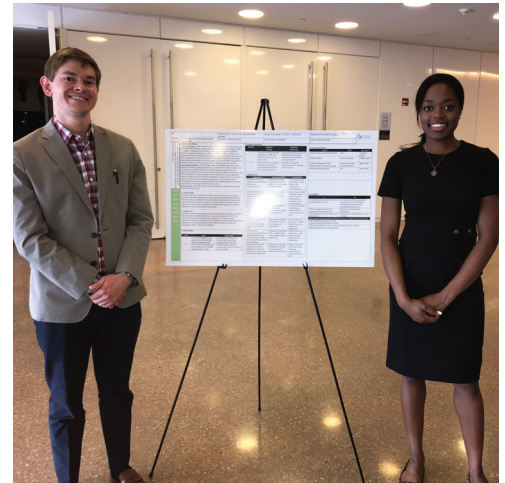


In July 2018, Dr. Lavinia Kolarczyk (*above*) presented two lectures — "Updates in Thoracic Analgesic Techniques" and "Perioperative ACE-Inhibitors: The Controversy Continues" — as an invited speaker at the XLIV Annual Refresher Course in Anesthesiology and Perioperative Medicine in Mexico City. Hosted by the Mexican College of Anesthesiologists, the conference drew 2000+ attendees.

Snapshot: Residents in 2018

Resident Symposium 2018

The Department hosted its annual Resident Symposium on May 30th, 2018. Each year, CA2-s lead projects focused on team-based QI and present the results at the Symposium. Dr. Marley Lawrence was awarded 1st Place at the 2017–2018 Resident Symposium for her project entitled, “Opioid Prescribing, Usage and Storage Practices Following Urologic Procedures in the Pediatric Population.” This year, all seven CA-2 projects were accepted for presentation at the American Society of Anesthesiologists Annual Meeting.



Left: 2017-18 CA-2s Cy Mozingo (L) & Brian Kidd (R). **Center:** Dr. Sam McLean (R) awards Symposium 1st place to CA-2 Marley Lawrence (L). **Right:** 2017-18 CA-2s Colton Mojesky (L) & Soshana Clerizier (R)

Annual Welcome Picnic

Drs. Harendra Arora & Priya Kumar hosted the Department’s annual welcome picnic for new PGY1s, CA-1s and their significant others in July 2018.



Left: CA-2 Candy Ezimora **Right:** CA-1 Chad Spencer & family.

CONGRATS!

to our Obstetric Anesthesia fellowship program for receiving continued accreditation with ZERO citations.

Residency: 2018 Goodbyes & Hellos



Residency Program Director Dr. Harendra Arora (back row, far L), Department Chair Dr. David Zvara (back row, 2nd from R), Assistant Residency Program Director Dr. Emily Teeter (back row, far R), and Associate Program Director Dr. Susie Martinelli (front row, far R), with departing CA-3s at the June 2018 resident graduation banquet.

Goodbye to Our Grads

Stephen Acosta, MD

Private Practice
UNC Hospitals • Chapel Hill, NC

Barden G. Berry, MD

Cardiac Anesthesiology Fellowship
Beth Israel Deaconess Medical Center • Boston, MA

Britney Bowling, MD

Pain Medicine Fellowship
UNC Hospitals • Chapel Hill, NC

Erica Heniser, MD

Regional Anesthesia Private Practice
Duke Regional Hospital • Durham, NC

Megan Henley, MD

Adult Cardiac Anesthesiology Fellowship 2018-2019
Critical Care Anesthesiology Fellowship 2019-2020
Vanderbilt University Medical Center • Nashville, TN

Jennifer Jutson, MD

Pediatric Anesthesiology Fellowship
Vanderbilt University Medical Center • Nashville, TN

Anita Mathew, MD

Pediatric Anesthesiology Fellowship
Washington University • St. Louis, MO

Kristina Mayo, MD

Private Practice
Regional Anesthesia • Durham, NC

Daniel McMillan, MD

Regional Anesthesiology Fellowship
UNC Hospitals • Chapel Hill, NC

Paola Pesantes, MD

Private Practice
Rockford Anesthesiologists Associated • Rockford, IL

Sathavaram Reddy, MD

Pain Medicine Fellowship
UNC Hospitals • Chapel Hill, NC

Daniel Rosenkrans, MD

Adult Cardiothoracic Anesthesiology & Critical Care Medicine Fellowships
Duke University Medical Center • Durham, NC

Brian Specht, MD

Pediatric Anesthesiology Fellowship
UNC Hospitals • Chapel Hill, NC

Lacey Straube

Obstetric Anesthesiology Fellowship
UNC Hospitals • Chapel Hill, NC

Jacob Wang, MD

Pain Medicine Fellowship
Duke University Medical Center • Durham, NC

Hello to Our New Folks

PGY1

- Brad Brown** – University of VA School of Medicine
- Bryna Capshew** – Indiana University School of Medicine
- Michael Gonzalez** – UNC School of Medicine
- Michael Greenberg** – UNC School of Medicine
- Dylan Hunter** – UNC School of Medicine
- Nathan Leone** – Tulane University School of Medicine
- Jacob Levene** – Albert Einstein College of Medicine
- Katherine Mills** – University of Central FL College of Medicine
- Tiffany Pham** – University of TX Southwestern Medical School
- Alexandria Sims** – University of South Alabama College of Medicine

CA1 (PGY1 training not in Department of Anesthesiology)

- Adam Akbar** – University of Kentucky College of Medicine
- Michael Hart** – Wake Forest School of Medicine

Featured Publications, Awards & Presentations

January to June 2018

ABSTRACTS

Clerizier, S. **Blasius, K. Ross, E.** Mastocytosis in Our Pediatric Patients: A Rare Disease with Specific Anesthetic Challenges and Considerations. Society Pediatric Anesthesia (SPA). Phoenix, AZ. March 2018.

Nzegwu, B. Ricketts, K. Ross, E. Regional Anesthesia to the Rescue: A Consideration for Pediatric Oncology Patients. Society Pediatric Anesthesia (SPA). Phoenix, AZ. March 2018.

Whitlow, B. Successful ultrasound-guided popliteal nerve block using a medial approach. 43rd Annual Regional Anesthesiology and Acute Pain Medicine Meeting. New York City, NY. April 2018.

Maves G, Pittenger S, McNaull P, Hance L, Lupa C, Ross E, Fox M, Waller E, Adamson, WT. Introduction of a Pediatric Enhanced Recovery After Surgery Pathway Leads to Decreased Perioperative Opiate Use. American Society of Enhanced Recovery (ASER). Fort Lauderdale, FL. March 2018.

Maves G, Ross E. Creating an Outpatient: A Multimodal Approach to Opiate Wean in Complex Pediatric Cancer Pain. Society Pediatric Anesthesia (SPA). Phoenix, AZ. March 2018.

Linnstaedt SD (moderator), Price T (UT-Dallas), Geranton S (University College London). Sex differences in chronic pain: mechanistic insights from humans and animals. Topical Workshop. International Association for the Study of Pain (IASP). Boston, MA. Sept. 2018.

Chen C, Yu S, Pan Y, Kurz MC, Pearson C, Hendry PL, Lewandowski C, Domeier R, McLean SA, Linnstaedt SD. Genes known to escape X chromosome inactivation predict comorbid musculoskeletal pain and posttraumatic stress symptom development in women following trauma exposure. Accepted for Poster Presentation at the 2018 International Association for the Study of Pain (IASP). Boston, MA. Sept. 2018.

Linnstaedt SD, Pan Y, Kurz MC, Pearson C, Hendry PL, Lewandowski C, Domeier R, McLean SA. Sex-dependent risk factors of persistent axial pain development following motor vehicle collision trauma: results of a preliminary analysis. International Association for the Study of Pain (IASP). Boston MA. Sept. 2018.

Mathew A, Yu S, Pan Y, Kurz MC, Hendry PL, Pearson C, Domeier R, Linnstaedt SD, McLean SA. Sex-dependent expression of opioid receptor gene mRNA predicts the development of chronic musculoskeletal pain following motor vehicle collision trauma. American Society of Anesthesiologists (ASA). San Francisco, CA. Oct. 2018.

Kidd BJ, Kolarczyk LM, Teeter EG. Establishing Best Practices for Geriatric Patients Undergoing Transcatheter Aortic Valve Replacement: A Call to Action. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April-May 2018. Phoenix, AZ.

Hill AA, Hance L, Strassle P, Long J, Haithcock B, Teeter EG, Kolarczyk LM. Intercostal Nerve Blocks Using the Combination of Liposomal and Plain Bupivacaine Decrease Post-Operative Opioid Use Compared to Liposomal Bupivacaine Alone in Patients Undergoing Video-Assisted

Thoracoscopic Surgery for Wedge Resection. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April-May 2018. Phoenix, AZ.

Merlo A, Fano R, Hance L, Strassle P, Haithcock B, Teeter EG, Kolarczyk LM. Multidisciplinary retrospective review of postoperative urinary retention in open thoracic lobectomy patients at a single academic institution: incidence and risk factors. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April-May 2018. Phoenix, AZ.

Greenberg MR, Bhatia M, Ikonomidis J, Kolarczyk LM. Translating Outcomes Into Action: Using Society of Thoracic Surgeons Database to Drive the Development of a Multidisciplinary Quality Improvement Group to Address Blood Product Administration Rates. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April-May 2018. Phoenix, AZ.

UNC SOAP ABSTRACTS 2018

Cobb B, Rose K, Woodward S, Smith KA. ORIGINAL STUDIES: Post-cesarean Pain in Parturients on Buprenorphine: A Single Center Retrospective Study.

Penwarden A, Mayer DC. QUALITY IMPROVEMENT PROJECTS: Dedicated OB anesthesia coverage of labor and delivery decreases complications.

Case Reports:

Park J, Mayo K, Smith KA. Severe Refractory Respiratory Failure Secondary to Flash Pulmonary Edema Requiring Venovenous ECMO.

Clerizier S, Smith KA. Atypical Presentation of Anaphylactoid Syndrome of Pregnancy with Isolated Coagulopathy.

Sriram N, Fardelmann K, Cobb B. Anesthetic Management of a Parturient with Subarachnoid Hemorrhage.

Fardelmann K, Smith KA. Anesthetic Management of a Parturient with Lyonized Hemophilia A.

Fardelmann K, Cobb B. Anesthetic Management in a Parturient with Myotonia Congenita.

Fardelmann K, Mayer DC. Managing a Parturient with Acute Psychosis: A Multidisciplinary Approach.

Matthews L, Smith K. A Parturient With Hemophilia B Presenting with Eclamptic Seizures and Previously Undiagnosed Pregnancy.

Smith KA. "Labor Analgesia: Past, Present and Future". Society for Obstetric Anesthesiology and Perinatology (SOAP) Newsletter. March 2018.

MANUSCRIPTS

Isaak, R, Chen, F, Martinelli, S, Arora, H, Zvara, D, Hobbs, G., Stiegler, M. Validity of Simulation-Based Assessment for ACME Milestone Achievement. *Simul Healthc.* Jan 2018.

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Linnstaedt SD, Riker KD, Rueckeis CA, Kutchko KM, Lackey L, McCarthy KR, Tsai Y, Parker JS, Kurz M, Hendry PL, Lewandowski C, Velilla MA, Datner E, Pearson C, Domeier R, Kaushik S, Laederach A, McLean SA. A functional riboSNitch in the 3'UTR of *FKBP5* alters microRNA-320a binding efficiency and mediates vulnerability to chronic posttraumatic pain. *J Neurosci*. 2018 Sep 26; 38(39):8407-8420. PMID: 30150364

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Bhatia M, Kumar P, Martinelli S. Surgical echocardiography of the mitral valve; focus on 3D. *Semin Cardiothorac Vasc Anesth*. 2018 Jul 1:1089253218789409. doi: 10.1177/1089253218789409. [Epub ahead of print]

Nanda M, Cobb K. "Ketamine and electroconvulsive therapy: So happy together?" *Curr Opin Anaesthesiol*. 2018 Aug;31(4):459-462. doi: 10.1097/ACO.0000000000000607.

PRESENTATIONS

Linnstaedt SD. microRNAs as stress and sex dependent mediators of posttraumatic chronic pain. Invited talk: OHSU Department of Physiology & Pharmacology. Portland, OR. January 2018.

Isaak R, Visiting Professor: Rutgers New Jersey Medical School, Department of Anesthesiology. Newark, NJ. April 2018.

Lieber SR, **Heller BJ**, Martin CF, **Howard CW**, Crockett S. Complications of Anesthesia Services in Endoscopic Procedures: A National Census Registry Cross-Sectional Study, Lecture Presentation, Digestive Disease Week®, June 2018.

Bhatia M: Is there a wrong way to ventilate? Grand Rounds Visiting Professor Rush University Medical Center. Chicago IL. Feb. 2018.

Bhatia M: Focused Cardiac Ultrasound; TTE Workshop; Visiting Professor Lecturer. Rush University Medical Center. Chicago, IL. Feb. 2018.

Smith K: ASA Meeting 2018: 60 Minute Panel: "Parturients Still Die from Causes Other Than Hemorrhage." Oct. 2018.

Cobb B, Rose K, Woodward S, Smith KA. Characterization of Post-cesarean Pain in Parturients Maintained on Buprenorphine: A Single Center Retrospective Review. Society for Obstetric Anesthesiology and Perinatology (SOAP) 50th Annual Meeting. May 2018. Miami Beach, FL.

Clerizier, Smith KA. Atypical Presentation of Anaphylactoid Syndrome of Pregnancy with Isolated Coagulopathy. Society for Obstetric Anesthesiology and Perinatology (SOAP) 50th Annual Meeting. May 2018. Miami Beach, FL.

Fardelmann K, Smith KA. Lyonized Hemophilia A in Pregnancy. Society for Obstetric Anesthesiology and Perinatology. Society for Obstetric Anesthesiology and Perinatology (SOAP) 50th Annual Meeting. May 2018. Miami Beach, FL.

Park J, Mayo K, Smith KA. Severe Refractory Respiratory Failure Secondary to Flash Pulmonary Edema Requiring Venovenous ECMO. Society for Obstetric Anesthesiology and Perinatology (SOAP) 50th Annual Meeting. May 2018. Miami Beach, FL.

Matthews L, Smith KA. A Parturient With Hemophilia B Presenting with Eclamptic Seizures and Previously Undiagnosed Pregnancy. Society for Obstetric Anesthesiology and Perinatology (SOAP) 50th Annual Meeting. May 2018. Miami Beach, FL.

Woody N, Hance L, Kolarczyk LM, McNaull P. Electronic Medical Record Short-Cuts to Access Enhanced Recovery Pathway. Details: Survey of Provider Preferences. 2018 6th Annual Congress of Enhanced Recovery and Perioperative Medicine. American Society of Enhanced Recovery (ASER). March 2018. Fort Lauderdale, FL.

Harmon E, Hance L, Woody N, McCall C, Chidgey B, McNaull P, Kolarczyk L. Enhanced Recovery After Surgery (ERAS) Pathway Demonstrates Low Post-Discharge Opioid Consumption Following Total Abdominal Hysterectomy. 2018 6th Annual Congress of Enhanced Recovery and Perioperative Medicine. American Society of Enhanced Recovery (ASER). March 2018. Fort Lauderdale, FL.

Maves G, Pittenger S, McNaull P, Hance L, Lupa C, Ross E, Fox M, Waller E, Adamson WT. Introduction of a Pediatric Enhanced Recovery After Surgery Pathway Leads to Decreased Perioperative Opioid Use. 2018 6th Annual Congress of Enhanced Recovery and Perioperative Medicine. American Society of Enhanced Recovery (ASER). March 2018. Fort Lauderdale, FL.

Henley MD, Kolarczyk LM, Teeter EG. Acute Right Ventricular Failure Secondary to Iatrogenic Atrial Septal Defect After Transcatheter Mitral Valve Replacement. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April–May 2018. Phoenix, AZ.

Rosenkrans D, Barrick B. Oh, the Places a Valve Can Go: A Tale of Two TAVRS. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April–May 2018. Phoenix, AZ.

Kidd BJ, Vavalle JP, Caranasos TG, **Kolarczyk LM**. Transcatheter Tricuspid Valve Replacement in a Former Heart Transplant Recipient with Bioprosthetic Tricuspid Valve Stenosis: Surgical and Anesthesia Considerations. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April–May 2018. Phoenix, AZ.

Fellow and Resident PBLD. Facilitator: **Teeter E**. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April–May 2018. Phoenix, AZ.

Panel Discussion: Coagulation Challenges in Cardiovascular Anesthesia. Moderator: **Kumar P**. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April–May 2018. Phoenix, AZ.

Panel Discussion: Enhanced Recovery after Cardiac Surgery. Moderator: **Kumar P**. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April–May 2018. Phoenix, AZ.

Panel Discussion: Controversies in Major Organ Transplantation. Moderator: **Kumar P**. Society of Cardiovascular Anesthesiologists (SCA) 40th Annual Meeting. April–May 2018. Phoenix, AZ.

Linnstaedt SD. Guest lecturer: microRNAs as stress and sex dependent mediators of posttraumatic chronic pain. OHSU Department of Physiology & Pharmacology. Portland, OR. Jan. 2018.

Teeter E, Kolarczyk L, Haithcock B. (Faculty Instructors). **Rosenkrans D**. (Resident Instructor). Chest Decompression: Tubes, Needles, and Emergencies. Workshop: 7th Annual Thoracic Anesthesia Symposium. April 2018. Phoenix, AZ.

Teeter E. (Speaker). Topic: Anesthesia Aspects of ERAS. Thoracic Anesthesia Symposium Panel: Hot Off the Press: ERAS Guidelines in Thoracic Surgery 7th Annual Thoracic Anesthesia Symposium. April 2018. Phoenix, AZ.

Lawrence MB, McNaull PP, Chidgey BA, Hammond BG, Garren B, Ross SS, Woody N, Ricketts K. Poster Presentation. - Opioid Prescribing, Usage and Storage Practices Following Urologic Procedures in the Pediatric Population. Society for Pediatric Pain Medicine (SPPM) Annual Meeting. Phoenix, AZ. March 2018.

GRANTS

Linnstaedt S (PI). "Key molecular mechanisms of chronic pain vulnerability in women experiencing MVC." National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) (\$502.4K) Grant Period: May 2018- May 2022.

Linnstaedt S (PI). "microRNA expression signatures as biomarkers of posttraumatic stress." Fox Companies Foundation (\$25K) Grant Period: Jan 2018- Jan 2019.

Association of American Medical Colleges (AAMC) Group on Educational Affairs (GEA) National Grant Award (\$10K). "The Family Experience: A Family Focused Support Intervention to Enhance Wellness in Undergraduate Medical Education." (PI): **Martinelli SM**, (Co-PIs): **Isaak RS, Chen F, Meltzer-Brody S, Byerley J**.



2018-19 Upcoming Events

For more information regarding the events listed below, please visit www.med.unc.edu/anesthesiology.

December 8

Department Holiday Celebration
Governor's Club • Chapel Hill, NC

December 15-16

ITE Review Course
Bondurant G30 • UNC School of Medicine

January 10

Triangle CT Conference
William & Ida Friday Center • Chapel Hill, NC

March 9

5th Annual CRNA Annual Spring Meeting
Rizzo Conference Center • Chapel Hill, NC

April 27

UNC-Duke-WFU Pediatric Anesthesiology Conference
Winston-Salem, NC



At the Society of Academic Associations of Anesthesiology and Perioperative Medicine (SAAAPM) Annual Meeting in November 2018, current & former UNC Anesthesiology members gathered in large numbers! **Front (L to R):** Drs. Peter Rock, Adriane Ray, Blair Herndon, Susie Martinelli, Concetta Lupa, Rob Isaak, Julie Marshall, Amy Burns. **Back (L to R):** Dr. David Zvara, Dr. Dominika James, Shannon Wolfgang, and Drs. Ban Sileshi, Fei Chen, Cathleen Peterson-Lane, Chelsea Willie, Emily Teeter