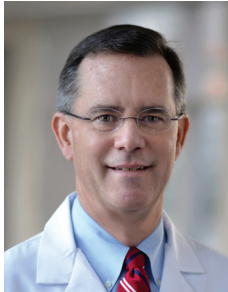


The Anesthesia Record

DEPARTMENT OF ANESTHESIOLOGY PERIOPERATIVE & PAIN MEDICINE

A Message from the Anesthesiologist-In-Chief



Dean B. Andropoulos, M.D., MHCM

As we begin 2025 with great optimism at the beginning of an exciting new era for Texas Children’s, it is important to reflect on the challenges and opportunities for the Department of Anesthesiology, Perioperative and Pain Medicine during 2024. From a TCH overall system standpoint, 2024 was difficult financially, primarily due to changes in Medicaid financing and support for our Texas Children’s Health Plan. This resulted in a limited budget through the first part of the year, and inability to fully recruit the faculty providers we had originally planned. Despite these limitations, the Department worked extremely hard with outstanding professional commitment, in the face of an anesthetic caseload that remained very significant. I am pleased to report that as of the new fiscal year that started October 1, 2024, TCH financials are dramatically improved, thanks to the restoration of Medicaid support for our Health Plan, and record levels of patient care in all aspects of our system, including outpatient clinic visits, births, hospital admissions and census, surgeries, radiology procedures with anesthesia, and other procedures. The Department finished 2024 very strong, with an all-time record of 58,810 anesthetics in 80 daily anesthetizing locations across our four hospital campuses, an 8.5% increase over 2023. I am so grateful for everyone’s dedication to provide the highest quality, state of the art anesthetic, pain management, and critical care to our patients and their families. In the latter half of 2024 we again began recruiting of faculty, and by the end of the year had 170 faculty members, including 120 Physician Anesthesiologists, and 50 Advanced Practice Anesthesia Providers (APPs).

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UPCOMING EVENTS

International Anesthesia Research Society Annual Meeting

March 20-23, 2025
Honolulu, HI

Congenital Cardiac Anesthesia Society Meeting

March 27, 2025
Orlando, FL

Society for Pediatric Pain Medicine 12th Annual Meeting

March 27, 2025
Orlando, FL

Society for Pediatric Anesthesia Spring Meeting

March 28-30, 2025
Orlando, FL

Society of Cardiovascular Anesthesiologists 47th Annual Meeting

April 26-29, 2025
Montreal, CA

Society for Pediatric Anesthesia Fall Meeting

October 10, 2025
San Antonio, TX

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Message from the AIC (continued)

The total number of new Physician Anesthesiologist faculty recruited in 2023–24 was 31, a remarkable number in a very competitive market with a shortage of graduating fellows. This is a testament to the excellence and desirability of working with us at TCH.

In February 2024, after many years of planning and construction, our exciting new North Austin Hospital opened for patient care. North Austin is a full-service tertiary Pediatric and Women's Hospital, with a 52-bed capacity that includes Neonatal ICU, and Pediatric/ Pediatric Cardiac ICU, and Women's Services with Labor and Delivery, Fetal Center, and Gynecologic Surgery. All pediatric surgical subspecialties are represented, including Cardiac Surgery, Neurosurgery, Craniofacial Surgery, Neonatal Surgery, and all others. Under the leadership of Division Chief Lytorre Vidaurri, M.D., MBA, a highly skilled, dedicated team has developed, which includes 11 Pediatric General Anesthesiologists, one Pediatric CV Anesthesiologist, three Obstetric-Gynecologic-Fetal Anesthesiologists, five CRNAs, and, for the first time in Department history, five Certified Anesthesia Assistants (CAAs). Current sites of care are five Pediatric ORs, two Women's ORs, and 10 additional anesthetizing locations. This highly skilled team has demonstrated outstanding teamwork, and in addition to the surgical specialty care, has developed expertise in regional anesthesia and acute pain management, and point of care ultrasound for anesthetic care. A number of Houston faculty in General and CV Anesthesiology rotated weekly during the first few months of operation. Case volumes are increasing significantly, and additional faculty for CV, OB, and General Anesthesiology services are actively being recruited. In 2025, students in the local CRNA and CAA training programs will begin rotating in North Austin. Congratulations, kudos, and thank you to the North Austin team, and the Houston faculty who have served there during the ramp up period!

During 2024 the Department had several initiatives to improve scheduling, staffing, stress levels, and work life balance for the faculty. These took the form of a climate survey, and focus groups to identify the top priorities for the faculty to improve working conditions. Among the actions resulting from these efforts was an overhaul of the scheduling process to improve fairness and transparency, and an emphasis on wellness, with a number of activities sponsored by the Wellness Committee. In addition, in April

2024 we hosted an External Review by three eminent Anesthesiologists-in-Chief from major academic pediatric anesthesia departments, and asked them to evaluate the Department in the clinical, education, research, leadership, and wellness domains. We received excellent suggestions on improving our leadership team, recruiting and staffing, and supporting our academic programs, including our fellowships, faculty development, and research. One of the efforts stemming from this review was major engagement with TCH Philanthropy, to assist us in raising the funding that is so essential to the support of our academic programs. Several other initiatives resulted from this very productive review.

In the Education domain, our General Pediatric Anesthesiology Fellowship had a very successful year under the leadership of Vice Chair for Academic Affairs David Young, M.D., MBA, M.Ed., with Chinedu Otu, M.D., being named the new Program Director and receiving continued accreditation from the ACGME with no citations or areas of improvement specified. In addition, the 2024 Fellowship Match was excellent, with eight of eight positions matched with outstanding candidates. Our CV Anesthesiology Fellowship, with Premal Trivedi, M.D. as Program Director, continued its track record of excellence with 3 outstanding fellows. Plans are being made to increase our General Fellowship class size to 12 over the next several years. This is a remarkable record of success in an era where nationally, pediatric anesthesia fellowship applications were at an all-time low in 2023.

For Research and Publications, Arvind Chandrakantan, M.D., MBA continued his basic science work with an NIH K08 grant to study the Contribution of Pediatric Obstructive Sleep Apnea in Memory and Learning, and Adam Adler, M.D., M.S. started his role as Site Principal Investigator in a multicentered NIH U01 grant, Implementing and Personalizing Best-in-Class Opioid-sparing Pain Management for Major Inpatient Surgeries in Children. Caitlin Sutton, M.D., was named Department Research Mentor of the Year for her role in mentoring Maternal Fetal Anesthesia Division faculty for publications and presentations of novel anesthetic techniques for major fetal interventions and surgeries. The Department published more than 60 peer reviewed articles and other publications in journals and book chapters, and made over 170 presentations at the local, state, regional, national and international levels.

In the leadership domain, TCH had a major transition with the retirement of Mark A. Wallace, after 35 years as our President and CEO. Our new President and CEO is Debra F. Sukin, Ph.D., who began on October 1st, and has already made a number of exciting organizational and leadership changes that have energized the entire institution and resulted in significant increases in patient care volumes, and increases in TCH institutional support of research. On a Department level, Chris Glover, M.D., MBA was promoted to Associate Anesthesiologist-in-Chief, and Executive Vice Chair; well-deserved new positions that increase his oversight of all Department operations. Nationally, Megha Kanjia, M.D., was elected President-Elect of the Wake Up Safe organization, a national patient safety and quality organization affiliated with the Society for Pediatric Anesthesia. David Vener, M.D., served as the Secretary-Treasurer of the Congenital Cardiac Anesthesia Society, and David Faraoni, M.D., Ph.D. on the Board of Directors for that organization. Finally, I had the privilege of continuing to serve as the Medical Officer of the Smart Tots Organization, organized under the International Anesthesia Research Society and dedicated to research and education for the issue of anesthetic neurotoxicity in pediatric patients.

I would sincerely like to thank all of our faculty, fellows, administrative staff, anesthesia technicians, TCH nurses and APPs, and research nurses and staff for working together as colleagues to expertly and compassionately care for the largest and most complex caseload in the U.S., educate the next generation of providers, perform ground breaking research that will improve patient care, and lead at all levels. 2025 will be filled with new challenges and opportunities, and I am so looking forward to working alongside all of you as we accomplish great things for our patients, their families, and Pediatric and Women's Anesthesiology together!



ATXcellent: A Year in Review



LyTorre Vidaurri, M.D., MBA
Chief, Austin Anesthesiology

February 20th, 2024. After over five years of meticulous planning, recruitment of some of the best and brightest faculty and staff from around the country, and countless hours integrating ourselves into the Greater Austin Community, Texas Children's Hospital North Austin officially debuted. In the years leading up to our opening, TCH had strategically peppered primary care offices throughout the city and opened the Mopac Specialty Care Clinic. However, this would be our first hospital outside of the Houston Metroplex and the excitement was palpable.

After a boisterous greeting from a high school marching band and a jubilant ribbon cutting, we were off to the OR. Every person pitched in for our long-awaited cases, thankful for all we had learned during our weeklong simulations the previous December. Cases were smooth. Everyone worked together. We were ecstatic and relieved. We had done it! However, as a wise woman pointed out: Opening a new hospital is like running a marathon, and we were just in mile one.

Since opening day, we have performed thousands of cases, on-boarded additional team members, introduced new protocols, and learned to work together as a team seamlessly, even with 70% of our faculty and 85% of our staff coming from hospitals outside of Texas Children's Hospital.

Notable highlights from the past year include:

Anesthesia Team Highlights

- We have on-boarded, 10 Pediatric Anesthesiologists, 2.4 Obstetric/Fetal Anesthesiologists, one Cardiovascular Anesthesiologist, 5.5 CRNAs, five CAAs and one PASS Clinical Nurse Practitioner and several more providers are in the pipeline.
- We provide a full-service Acute Pain Service, headed by Dr. Karla Wyatt.
- We have held a regional anesthesia workshop, which rivaled those offered at national conferences.
- We have increased the ultrasound knowledge of all faculty, including use of ultrasound for POCUS exams, to include gastric ultrasound and lung exams.
- Under Dr. Lance Patak's leadership, we have overhauled our difficult and critical airway signs in order to facilitate better communication and increase safety for some of our most complex patients.

Notable Milestones

- As of December, we have delivered over 200 babies!
- We have performed cases from every service, including Cardiac Surgery, Neurosurgery, Spinal Fusions, Craniofacial surgery, Pectus Excavatum Surgery, Fetal surgery and complex Interventional Radiology cases.
- We have cared for patients from 38 states and four countries.
- We have hosted state representatives to help champion improved access to women's healthcare in the state.
- Our Austin team has submitted over 2500 Caught You Caring's to recognize their colleagues.
- Introduction of the ATXcellence Award to help recognize team members who demonstrate our core values.

Hospital Levels of Care

- We are officially in pursuit of Level 2 Trauma Status.
- We are officially seeking Level IV NICU Status.
- We are currently pursuing Maternal Level of Care 2.

As we approach our one-year anniversary, we are proud of all that we have accomplished. However, there is still a lot of work to do. We are committed to serving the local community and ensuring that all patients in Central and West Texas have access to the world-class care that Texas Children's offers. As such, we are working hard as a system to ensure that we offer patients the choice of TCH North Austin for their care. In order to ensure that we offer the highest quality of care possible, we continue to hold simulations, refine policies and continue to look

for, and create, additional training opportunities for our faculty and staff. We continually leverage our diverse backgrounds to help introduce new ideas to the system. Finally, we continue to recruit faculty and staff across the hospital in order to expand availability and access to care for the community. As we close out our first year, there is no doubt, that with continued hard work, our scrappy Austin spirit, and continued commitment to excellence that, in short order, we will be the system of choice for all of Central and West Texas.

Department of Anesthesiology Wellness Committee: A Year in Review



Julie Schackman, M.D.
Chair, Wellness Committee

The Department of Anesthesiology Wellness Committee continues to champion the well-being, health, and performance of our staff while fostering a sense of community and lifting departmental morale. Over the past year, we have been hard at work implementing initiatives designed to enhance the lives of our colleagues, both professionally and personally.

Our efforts reflect our deep commitment to creating a positive, supportive, and thriving workplace environment.

One of the highlights of this year was our social event held at Palace Social. This gathering brought members of the department together in a fun and relaxed atmosphere, encouraging camaraderie and providing a much-needed opportunity for staff to unwind and connect outside of the clinical setting. Events like these are central to our mission of promoting wellness by emphasizing the importance of balance and connection within our community.

The Wellness Committee also played a pivotal role in representing the department during the External Review. By highlighting our ongoing efforts, we demonstrated our dedication to fostering a culture of support and continuous improvement. This representation underscored

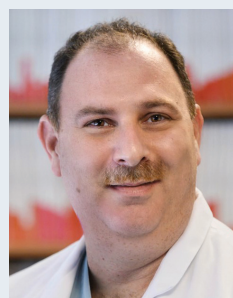
the department's commitment to aligning staff health and performance with broader institutional goals.

Finally, we have actively sought input from staff through surveys, ensuring that their voices guide the direction of our initiatives. These surveys have provided valuable insights, enabling us to implement meaningful changes, such as adjustments to scheduling, that directly address staff needs. By listening and responding to feedback, we are reinforcing our commitment to prioritizing the well-being of our colleagues.

We are also excited to announce a new peer support program that is being finalized to provide assistance to colleagues after adverse events in the ORs. This initiative aims to create a structured support system where team members can connect with peer support liaisons to navigate difficult experiences together. We will soon begin recruiting volunteers to serve as peer support liaisons, and we encourage anyone interested in contributing to this meaningful program to reach out.

Looking ahead, the Wellness Committee is excited to continue our efforts to enhance the workplace experience and support our amazing team. Stay tuned for updates about upcoming events and initiatives, and thank you to everyone for your very hard work and dedication to our department and each other. Please let us know if you have any recommendations or would like to join us!

Update on Our Department's Academic Activities

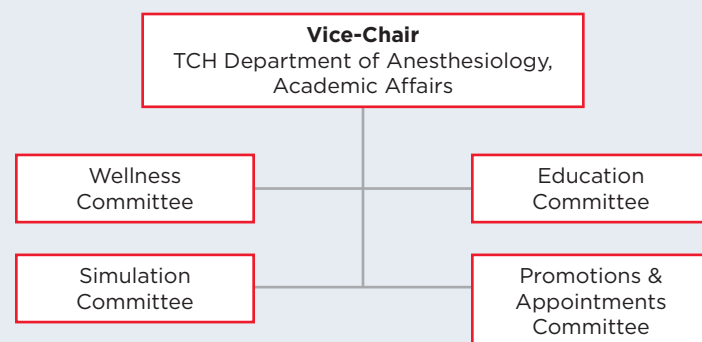


David Young, M.D., MEd, MBA
Vice Chair of TCH Anesthesiology Academic Affairs

The Vice-Chair of Academic Affairs at Texas Children's Hospital, Department of Anesthesiology, Perioperative, and Pain Medicine reports to the Anesthesiologist-in-Chief (AIC) and provides oversight authority over all aspects of the academic programs of the Department of Anesthesiology, Perioperative and Pain Medicine while also being a member of the Office of the AIC and the Department's Executive

Committee. This oversight includes all Divisions and campuses and comprises all educational programs as it relates to all levels of learners, including medical and other non-medical students, residents in anesthesiology and other specialties, fellows in anesthesiology, faculty, SRNA's, SAA's, and other disciplines. In addition, this also includes the Department's continuing education efforts

relating to attending physicians, CRNA's and other learners. The Vice-Chair for Academic Affairs is also responsible for oversight of Faculty Development efforts, including the appointment and promotions processes of the Department. In reference to our current Departmental organization, many of our standing committees fall under this arrangement including the Simulation, Wellness, Education, Research, and Promotion/Appointments Committees.



Despite our very busy clinical operation, our faculty consistently make significant educational achievements. These achievements vary and include numerous teaching activities, publications, and service in leadership roles on many levels. As a result, our Departmental Internal Promotions Committee has been very active including many promotion applications currently under review. As described below, based on data from our TCH Pediatric Anesthesiology Academic Achievement Earned Value Units (aEVUs) system, our colleagues have been very academically productive which has resulted in many levels of recognition as well as academic rank advancements.

For the year 2024, our faculty have participated and/or created the following educational products external to our institution:

- **Approximately 60 peer reviewed publications**
- **184 Presentations**
 - International: **64**
 - National: **100**
 - Regional: **20**
- **114 Workshops**
 - International: **34**
 - National: **59**
 - Regional: **21**

For the year 2024, our Department members have received the following awards, recognition, and service on national organizations:

- 2 National Awards
 - 20 national leadership roles
- 7 BCM Norton Rose Fulbright Faculty Excellence Awards
- 1 BCM Faculty Awards for Excellence in Patient Care
- 1 Hospital level Super Star Award
- 5 Department level Faculty Excellence Awards
- 8 Department level awards for Excellence in Fellow Education
- 5 Department level awards for Excellence among our fellows

For the year 2024, our Department has had the following promotions and appointments:

- **Total number of new faculty appointments: 33**
 - to Assistant Professor: **14**
 - to Senior Faculty: **3**
 - to Instructor - Certified Anesthesia Assistants: **7**
 - to Instructor - Certified Registered Nurse Anesthetist: **9**
- **Total number of promotions: 10**
 - from Instructor to Assistant Professor: **2**
 - from Assistant Professor to Associate Professor: **7**
 - from Associate Professor to Professor: **1**

Regarding educational updates, we have made significant enhancements to many of our programs. As a reminder, during most of last year, I was the fellowship program director. During this time, we revamped many policies, clinical rotations, committee structures and performed a complete overhaul of the interview process. All these changes resulted in significant improvements to our ACGME surveys and a 100% fill rate in our last match. Other ongoing projects during the last year includes revising and automating our evaluation process, pursuing additional trainee educational experiences, and organizing a visiting professor series.

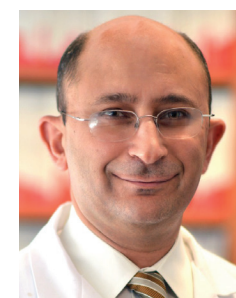
Specific activities that I want to concentrate on in the future include our promotions process and departmental awards; this includes developing more informational

sessions along with perhaps longer workshop-based sessions to have a more focused environment. Ideas that I think should be considered for new educational programs include creating a targeted mentorship program, developing a faculty peer support program, and establishing sessions in faculty development topics such as basic teaching techniques and fundamental research concepts.

Once again, I'm very much looking forward to continue serving you and the Department with the overall goal to advancing our educational footprint and enhance your professional careers. I very much look forward to working with all of you to expand and improve our academic efforts.

Please feel free to contact me for any questions, suggestions, concerns or to obtain career guidance.

From the Heart – a Cardiovascular Anesthesiology Update



Emad Mossad, M.D.
Division Chief,
Cardiovascular
Anesthesiology

The Division of Cardiac Anesthesiology is an integral part of our Heart Center as well as our Department of Anesthesiology, Perioperative and Pain Medicine at Texas Children's Hospital, Baylor College of Medicine. Our 16 faculty physicians, seven CV CRNAs, five NPs and team of ATs forms one of the largest Divisions of its kind in the nation. Our Anesthesia care team provides care to over 1800 patients in the cardiac catheterization laboratories, 1000 cardiac surgical procedures, 750 procedures in diagnostic imaging and interventional radiology, as well as over 750 non-cardiac procedures on patients with congenital heart disease.

We are proud to be instrumental in the significant outcomes of our patients, contributing to the ranking of our Heart Center as the #1 in the nation for Cardiology and Cardiac Surgery by the USNWR for the eighth year in a row. Our outcomes are among the best in the nation, by the STS annual reports, including the most complex STAT 5 category patients (**Table 1-1**).

Our Anesthesia team provided care in the busiest heart and lung transplant program in the nation, performing over 259 heart, and 95 lung transplants in the past 10 years, with excellent one- and three-year survivals that rivals other busy programs (**Figure 1**). Our Heart center is also the largest ventricular assist device (VAD) program in the nation, with a robust ECMO support and VAD to transplant programs.

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From the Heart (continued)

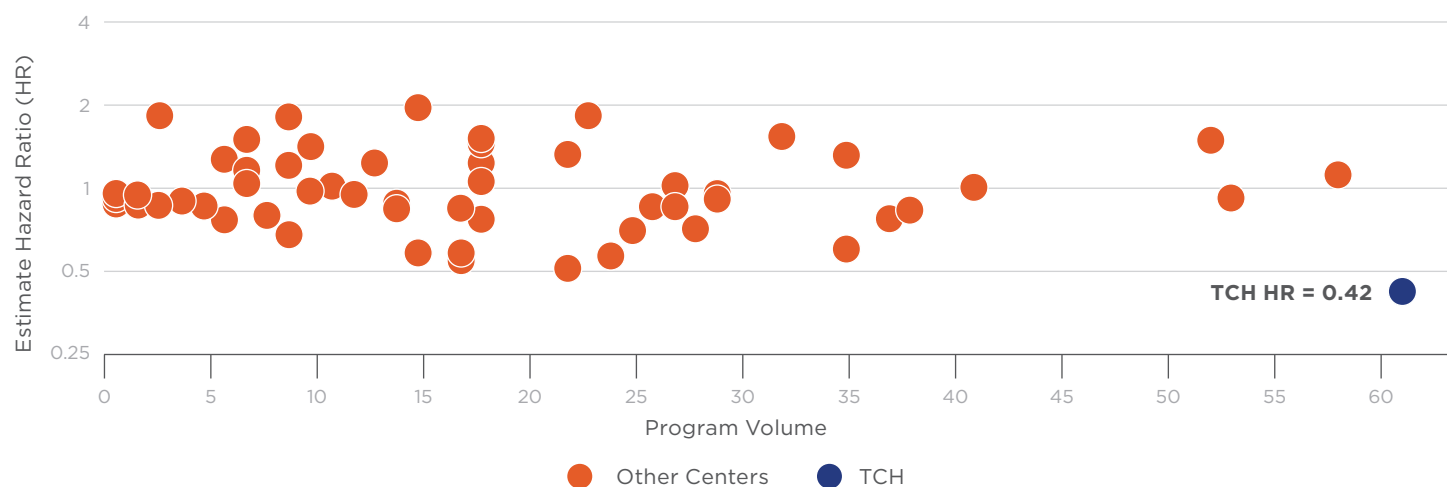
Table 1-1.

STS Report January 2020 - December 2023

Population: Neonates, Infants, Children & Adults	# / Eligible	Observed	Expected	O/E Ratio (95% CI)	STS
Overall	50 / 2427	2.06%	2.87%	0.72 (0.53, 0.92)	2.69
STAT Mortality Category 1	4 / 1172	0.34%	0.61%	0.56 (0.15, 1.43)	0.6
STAT Mortality Category 2	9 / 481	1.87%	1.93%	0.97 (0.45, 1.83)	2.03
STAT Mortality Category 3	7 / 360	1.94%	3.49%	0.56 (0.22, 1.14)	3.4
STAT Mortality Category 4	18 / 305	5.90%	7.85%	0.75 (0.45, 1.17)	7.65
STAT Mortality Category 5	12 / 109	11.01%	15.41%	0.71 (0.38, 1.2)	15.04

Figure 1-2.

TCH 3-year Survival (07/01/2018 - 03/12/2020): 98.4%



Our educational mission is going strong under the leadership of our program director, Premal Trivedi. We are in our second year of ACGME accredited Pediatric Cardiac Anesthesia fellowship, with three excellent fellows working with us: Drs. Jordan Huang, Annie Li and Olivia Valencia will be completing their advanced fellowship this academic year. Our weekly lecture series, and our Friday morning “Keats Corner” sessions are opportunities to engage in scientific discussions and quality improvement reviews.

We continue to pursue expanding our knowledge and to innovate. We introduced the use of new regional anesthesia techniques to our pediatric cardiac surgical program to enhance postoperative pain management. We perform a variety of facial plane blocks, including Transversus Thoracic Muscle Plane (TTMP) and Erector Spinae (ESP) blocks, and introduced the use of liposomal bupivacaine

(Exparel). Our team developed and patented a new device for the securement of transesophageal echocardiography (SECURITEE - **Figure 1-3**) probes of various manufacturers and in all settings.

Our faculty have continued to serve the needs of patients with CHD through mission work. A team of our faculty have lead mission trips to Bolivia, Jamaica and Bangladesh annually, and continue to help the development of pediatric cardiac anesthesia programs around the world.

Our Division members are active in our national society, the CCAS. Leading Special Interest Groups (Dr. Pablo Motta for Adult Congenital Heart Disease, Dr. Lisa Caplan for Quality and Safety, Dr. Richard Hubbard for International Missions) and Dr. David Vener serving on the Board of Directors as CCAS Secretary. In its Annual meeting in Anaheim,

California, Dr. Dean Andropoulos was honored by receiving the CCAS Lifetime Achievement Award.

There is never a dull moment in our Heart Center: every day we are privileged to care for the most complex cases, from neonates to adults with CHD, from birth to childbirth. From a newborn with obstructed total anomalous pulmonary venous return, to a parturient with severe pulmonary hypertension and placenta previa in labor, to a child in septic shock requiring central ECMO support, our scope of practice is ever changing and expanding. It is a privilege to work among this team, in such an exciting and vibrant program.

Figure 1-3.



Maternal-Fetal Anesthesia Spotlight on Fetal Cardiac Interventions



Caitlin Sutton, M.D.
Division Chief,
Maternal-Fetal
Anesthesiology

The Texas Children’s Fetal Center is world-renowned for the breadth and volume of its cases, as well as the innovative procedures pioneered by the team. In addition to emphasizing a holistic approach to anesthesia care for both the pregnant patient and fetus, the TCH Maternal-Fetal Anesthesia Division works alongside the rest of the Fetal Center team to push the field forward through research, education, and innovation.

A perfect example of this is through fetal cardiac intervention, a procedure performed in only a handful of centers across the country. It’s impossible to imagine the stress that patients can experience while undergoing a needle-based procedure on their baby’s heart while they’re awake. To address this, the MFA team starts with a trauma-informed approach to the preoperative consultation, seeking input about patients’ communication preferences and spending significant time describing the perioperative experience, including what it may feel like to have fetal chest compressions performed through their abdomen. A family-centered approach is key—our team also initiated the practice of allowing the support person to join us in the operating room if in utero resuscitation is not likely to be successful.

On the day of the procedure, two maternal-fetal anesthesiologists staff the case. With all our team

members being dual-trained (the only such MFA division in the country!), all care is collaborative—but a plan is made for each anesthesiologist to focus primarily on either the fetus or the pregnant patient in case of emergency resuscitation. The collaborative nature of fetal interventions is exemplified in these cases, which involve fetal surgeons, fetal cardiologists, pediatric interventional cardiologists, and occasionally others, in addition to the OR team. A high level of trust, excellent communication, and a shared mental model are key. Over time, our approach to in utero resuscitation has led to the development of a fetal code box (**Figure 2-1**) by Dr. Claire Naus in collaboration with the pharmacy team, as well as the publication of our resuscitation algorithm.¹

As more centers begin to perform these complex procedures, our team aims to disseminate the hard-earned lessons we’ve learned through our experiences. This year, Dr. Naus joined TCH fetal cardiologist Dr. Betul Yilmaz and Boston Children’s pediatric anesthesiologist Dr. Cathie Jones to present an overview of the diagnosis, management, and treatment of these patients at the Society for Maternal-Fetal Anesthesia annual meeting. This meeting was hosted by our TCH MFA team and brought anesthesiologists from every major fetal center in the US, as well as several from Europe and South America, to our TCH Fetal Center in September. These cardiac cases are just one example of the work our MFA team does to support the success of the TCH FC team and the progress of the field of maternal-fetal anesthesia!

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Figure 2-1.



1. Yilmaz Furtun B, Qureshi AM, Niaz T, et al. Management of fetal cardiac resuscitation during fetal cardiac intervention. *Ultrasound Obstet Gynecol* 2024;64(4):550-552. DOI: 10.1002/uog.29111.

Promotions

Rahul Baijal, M.D. was promoted from Associate Professor (non-tenured) to Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Melanie Handley, M.D. was promoted from Assistant Professor (non-tenured) to Associate Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Ali Hassanpour, M.D. was promoted from Assistant Professor (non-tenured) to Associate Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Joyce Liu, DO was promoted from Assistant Professor (non-tenured) to Associate Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Lauren Lobaugh, M.D. was promoted from Assistant Professor (non-tenured) to Associate Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Shazia Mohammad, M.D. was promoted from Assistant Professor (non-tenured) to Associate Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Ashraf Resheidat, M.D. was promoted from Assistant Professor (non-tenured) to Associate Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Caitlin Sutton, M.D. was promoted from Assistant Professor (non-tenured) to Associate Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Caren Bergdahl, CRNA was promoted from Instructor (non-tenured) to Assistant Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Martha Vera, CRNA was promoted from Instructor (non-tenured) to Assistant Professor (non-tenured) in the Department of Anesthesiology, Perioperative, and Pain Medicine.

Institutional Awards

Chyongjy (Joyce) Liu, DO received the Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation, Baylor College of Medicine.

Shazia Mohammad, M.D. received the Norton Rose Fulbright Faculty Excellence Award for Teaching & Evaluation, Baylor College of Medicine.

Claire Naus, M.D. received the Super Star Award, Texas Children's Hospital.

Departmental Awards

Andres Bacigalupo Landa, M.D. received the Faculty Excellence Award for Clinical Care - Cardiovascular Anesthesiology, Texas Children's Hospital, Department of Anesthesiology, Perioperative, and Pain Medicine.

Musa Bilal, M.D. received the Teacher of a Broken Heart Award for Fellow Education in Pediatric Cardiovascular Anesthesiology, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Monica Chen, M.D. received the Excellence in Faculty Professionalism Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Tamer Elattary, M.D. received the Teacher of the Year Award for Excellence in Fellow Education-General Division, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Clint Fuller, M.D. received the Teacher of the Year Award for Excellence in Fellow Education-General Division, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Ali Hassanpour, M.D. received the Excellence in Fellow Mentorship Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Grace Huang, M.D. received the Faculty Excellence Award for Clinical Initiatives - Woodlands, Texas Children's Hospital, Department of Anesthesiology, Perioperative, and Pain Medicine.

Henry Huang, M.D. received the Faculty Excellence Award for Clinical Care - West Campus, Texas Children's Hospital, Department of Anesthesiology, Perioperative, and Pain Medicine.

Megha Kanjia, M.D. received the Excellence in Fellow Mentorship Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Heena Pranav, M.D. received the Faculty Excellence Award for Clinical Initiatives - West Campus, Texas Children's Hospital, Department of Anesthesiology, Perioperative, and Pain Medicine.

Ashraf Resheidat, M.D. received the Excellence in Faculty Professionalism Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Brent Schakett, M.D. received the Faculty Excellence Award for Clinical Care - Woodlands, Texas Children's Hospital, Department of Anesthesiology, Perioperative, and Pain Medicine.

Caitlin Sutton, M.D. received the Outstanding Research Mentor 2024 Award, Texas Children's Hospital, Department of Anesthesiology, Perioperative and Pain Medicine.

Oscar Zamorano, M.D. received the Excellence in Fellow Mentorship Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Fellowship Awards

William Jones, M.D. received the Lewis Coveler Award for Outstanding Performance in Pediatric Anesthesiology Fellowship, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Elizabeth Nguyen, DO received the Outstanding Performance in Regional Anesthesiology Award, Pediatric Anesthesiology Fellow Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Sabrina Clerssaint, M.D. received the Outstanding Performance Cardiac Anesthesiology - Pediatric Anesthesiology Fellow Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Daniel Soliman, M.D. received the Outstanding Performance in Pain Medicine - Pediatric Anesthesiology Fellow Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.

Harica Kodakandla, M.D. received the Fellow Excellence in Professionalism - Pediatric Anesthesiology Fellow Award, Baylor College of Medicine, Department of Anesthesiology, Fellowship and Residency Program.



We are thrilled to celebrate **Dean B. Andropoulos, M.D., MHCM**, Anesthesiologist-in-Chief and Chair of the Department of Anesthesiology, Perioperative and Pain Medicine at Texas Children's Hospital, for being named the recipient of the Dolly D. Hansen Award for Lifetime Achievement by the Congenital Cardiac Anesthesia Society (CCAS). The CCAS Lifetime Achievement Award acknowledges a lifetime contribution to the society's mission, which is to improve the perioperative care and outcomes, and facilitate technological advances in therapy for newborns, infants and children with cardiovascular disease, congenital or acquired, and adults with congenital heart disease requiring anesthetic care.

Additional Department Recognition

The Department named new physician leadership positions in 2024: **Chris Glover, M.D., MBA**, was promoted to Associate Anesthesiologist-in-Chief and Executive Vice Chair of the Department of Anesthesiology, Perioperative and Pain Medicine. **Chinedu Otu, M.D.**, was named the new Fellowship Program Director. **Clint Fuller, M.D.**, was named the Fellowship Associate Program Director. In addition **Adam Adler, M.D.**, was named the Director Clinical Research, General Anesthesiology. **Dheeraj Ahuja, M.D., MSHA**, was named Chief Quality Officer for West and Woodlands campus.

Rylee Apodaca, CRNA, was awarded the American Nurses Association Innovation Award in the Nurse-Led Team category for the Immersion Model for Diversifying Nurse Anesthesia Programs.

Megha Kanjia, M.D., was elected to the role of President-Elect of Wake Up Safe. She will serve a two-year term at this role followed by a two-year term as President.

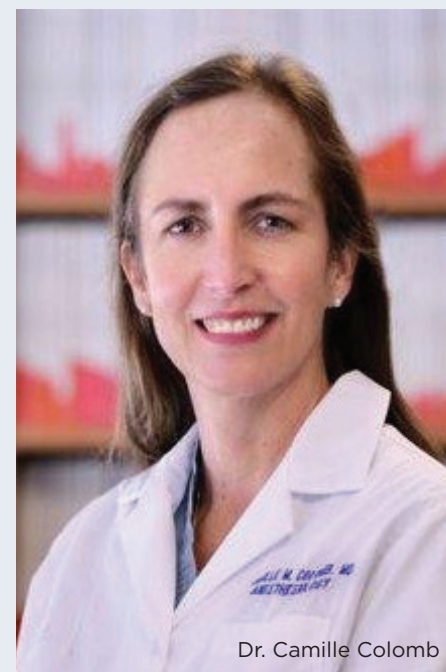
The department welcomes **Kate Pham** as the new Research Manager for the Department of Anesthesiology, Perioperative, and Pain Medicine. Kate joined the team in April with eight years of healthcare research experience. We also welcome **Salima Dhamani** to Texas Children's Hospital as the new Quality Improvement Specialist for Anesthesiology in December.

Congratulations to **Dr. Camille Colomb** on her retirement! Camille Colomb, M.D. served this department and institution for 31 years before retiring in June 2024. She will be missed and we wish her success in her future endeavors!

Congratulations to **Mary Pina, Kenneth Wayman, M.D.**, and the West Perioperative Team on receiving the Shamrock Award.

The West Campus Pain Clinic Team was awarded the team costume award for their Alice in Wonderland theme in the TCH West Campus Halloween costume contest. This tradition is so fun for the team and brings so much joy to the patients across our hospital. A special thank you to all of this our pain team participants including our featured faculty **Jocelyn Gomez, PsyD** (Queen of Hearts) and **Henry Huang, M.D.** (The Mad Hatter).

The Main Campus Pain Clinic also participated in the Annual Halloween Costume Contest with the theme Camping. A special thank you to all of our pain team participants: **Stephanie Baek, M.D.** (tent), **Devin McGaughey, NP** (campfire), **Angie Medellin, NP** (ranger on bear), **Michelle Vest, NP** (Girl Scout), **Nicollete Vassallo, NP** (s'more), **Hillary Cloyd, RN** (hotdog), **Anna Wernette, NP** (blue sleeping bag)



Dr. Camille Colomb



West Campus Pain Clinic Team - Shamrock Award



West Campus Pain Clinic Team - Alice in Wonderland



Main Campus Pain Clinic Team - Camping

2024 New Faculty



H. Daniel Adams, Jr., M.D., Houston TMC General Division - Assistant Professor received his Bachelor of Science in Biology at Florida Atlantic University in 2013. Dr. Adams continued his education at Florida Atlantic University Charles E. Schmidt College of Medicine and received his Medical Doctor degree in 2018. He continued with Surgical Internship at Florida Atlantic University Charles E. Schmidt College of Medicine 2018–2019. He completed his Anesthesiology Residency at The University of Central Florida 2019–2022 and served as the Anesthesiology Chief Resident 2021–2022. Dr. Adams pursued his Pediatric Anesthesiology Fellowship at Children’s Hospital of Los Angeles, University of Southern California, 2022–2023.



Akhila Anantkumar, MBBS, Houston TMC General Division - Assistant Professor received her MBBS degree at the Dr. B.R. Ambedkar Medical College, Bangalore, Rajiv Gandhi Institute of Medical Sciences, in Bangalore, Karnataka, India in 2012. Dr. Anantkumar then received her Diplomate of the National Board in Anesthesia, Sri Sathya Sai Institute of Higher Medical Sciences, Bangalore, National Board Examinations, New Delhi, India in 2016. She completed a Post-Doctoral Fellowship in Pediatric Anesthesia 2018–2019 at Indira Gandhi Institute of Child Health, Bangalore, Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka, India. Dr. Anantkumar then worked as an Assistant Professor in Pediatric Anesthesia at Indira Gandhi Institute of Child Health 2019–2020. She continued her education at University Hospital Southampton, Southampton, UK where she was a Senior Clinical Fellow in Cardiac Anesthesia and Critical Care 2020–2021. Next she completed her Clinical Fellowship in Pediatric Anesthesia at Great Ormond Street Hospital for Children in London, UK 2021–2022. Before joining Texas Children’s Hospital Dr. Anantkumar worked as a Consultant Pediatric Anesthesiologist at Evelina London Children’s Hospital from November 2022 to April 2023 and Apollo Children’s Hospital, Chennai from August 2023 to April 2024.



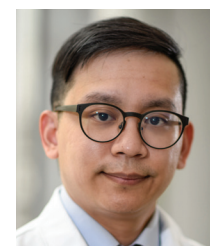
Chinwe Anumudu, M.D., Houston TMC General Division - Assistant Professor received her Bachelor of Science in Biochemistry at North Carolina State University in 2012. Dr. Anumudu continued her education at Lewis Katz School of Medicine at Temple University in 2017. Dr. Anumudu completed Anesthesiology Residency at Virginia Commonwealth University Health Systems 2017–2021 and served as Chief Resident 2020–2021. She pursued her Regional and Acute Pain Management Fellowship at University of North Carolina at Chapel Hill and graduated in 2022. Dr. Anumudu followed with Pediatric Anesthesiology Fellowship at Duke University Hospitals in 2023.



Stephanie Baek, M.D., Houston TMC General Division - Assistant Professor received her Bachelor of Science in Human Biology at The University of Texas at Austin in 2014. She continued her education at McGovern Medical School at the University of Texas Health Science Center at Houston and received her Doctor of Medicine degree in 2018. Dr. Baek continued with Surgical Internship at McGovern Medical School 2018–2019. She completed Anesthesiology Residency at McGovern Medical School 2019–2022 and served as the Anesthesiology Chief Resident 2021–2022. Dr. Baek pursued her Pediatric Anesthesiology Fellowship at Baylor College of Medicine in Houston 2022–2023.



Allison Buchanan, M.D., North Austin Division General Anesthesiology Service - Assistant Professor attended Texas Christian University where she received a Bachelor of Arts in Biology and a Bachelor of Arts in Religious Studies with a Minor in Music in 2002. She continued her education at McGovern Medical School at The University of Texas Health Science Center at Houston and received her Doctor of Medicine degree in 2009. Next Dr. Buchanan completed a Medicine Internship 2009–2010 at The University of Texas, Houston, McGovern Medical School, Memorial Hermann Hospital System. She finished her Anesthesia Residency at The University of Texas, Houston, McGovern Medical School 2010–2013. Dr. Buchanan completed Pediatric Anesthesiology Fellowship at McGovern Medical School at The University of Texas, Memorial Hermann Children’s Hospital 2013–2014.



Paul Bui, M.D., Houston TMC General Division - Assistant Professor attended the University of Texas at Arlington 2009–2014 where he received his Bachelor of Science in Biology, Magna Cum Laude; and a Master’s in Science in Biomedical Engineering. Next Dr. Bui received his Medical Doctor degree at the University of Texas Medical Branch at Galveston in 2018. He continued his educational career at Baylor College of Medicine in Houston and completed his Anesthesiology Residency 2018–2022. Dr. Bui completed his Pediatric Anesthesiology Fellow at Baylor College of Medicine, Texas Children’s Hospital in August 2023. He currently serves on the pediatric transplantation team at Texas Children’s Hospital.



Jennifer Chien, M.D., Houston TMC General Division - Assistant Professor graduated Cum Laude with her Bachelor of Science in Biomedical Engineering at Duke University in 2012. Dr. Chien continued her education at Duke University School of Medicine and received her Medical Doctorate degree in 2018. She then went on to complete an Anesthesiology Residency at University of Pennsylvania Health Systems 2018–2022. She completed Pediatric Anesthesiology Fellowship at Baylor College of Medicine, Texas Children’s Hospital in Houston 2022–2023.



Alex Croes, MS, CAA, North Austin Division - Instructor received her Bachelor of Science degree at the University of St. Thomas in May 2022. She continued her education at Case Western Reserve University School of Medicine in Austin and she received her Master of Science in Anesthesia degree in May 2024.



Janice Davis, M.D., Community Division - Assistant Professor received her Bachelor of Arts in Human Biology at Stanford University in 2007. Dr. Davis continued her education at Emory University where she received her Master’s in Public Health, Health Policy and Management in 2010. She then pursued her Medical Doctor degree at Medical University of South Carolina and graduated in 2016. Dr. Davis completed her Anesthesiology Residency at UT Southwestern in 2020 and followed with Pediatric Anesthesiology Fellowship at Boston Children’s Hospital in 2021.

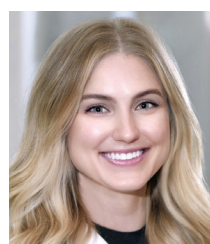
2024 New Faculty



Sally Dawood, M.D., Community Division - Assistant Professor received her MBCh degree at the Faculty of Medicine, Alexandria University in Egypt in 2004. Dr. Dawood completed her residency in Anesthesia and Surgical Intensive Care at Alexandria University Hospital in Egypt in 2010. She then worked as an Attending Anesthesiologist at Alexandria University Hospitals 2010–2011. Dr. Dawood completed a Pediatric Internship at the Brooklyn Hospital Center 2015–2016 and an Anesthesiology Residency at Drexel University College of Medicine 2016–2019. She finished off her training with a Pediatric Anesthesiology Fellowship at the Children’s Hospital of Philadelphia 2019–2020.



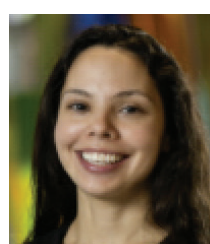
Shaina DeVoe, MSA, CAA, Community Division - Instructor attended The University of Texas at Arlington and received her Bachelor of Science in Finance degree in May 2010. She continued her education at Harvard University where she completed her Post-baccalaureate Premedical Program in May 2015. Ms. DeVoe then went on to finish her education at Case Western Reserve University School of Medicine and received her Master of Science in Anesthesia degree in May 2017.



Cassandra Dunn, MSA, CAA, Community Division - Instructor attended the University of Georgia and received her Bachelor of Science in Biological Sciences in May 2013. She continued her education at Case Western Reserve University, School of Medicine and received her Master of Science in Anesthesia degree in May 2020.



Anna Dziemski, M.D., Community Division - Assistant Professor attended the University of Chicago, where she majored in Biological Sciences, Specialization in Endocrinology and received her Bachelor of Arts with Honors in June 2009. Dr. Dziemski continued her education at Rush Medical College in Chicago and received her Medical Doctor degree in May 2013. Next, she completed her Anesthesiology Residency at Rush University Medical Center in Chicago in July 2017. She followed with a Pediatric Anesthesiology Fellowship as Chief Fellow at Children’s Hospital of Wisconsin, Medical College of Wisconsin in Milwaukee in August 2018.



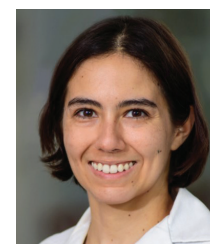
Casey Escobar, M.D., North Austin Division General Anesthesiology Service - Assistant Professor received her Bachelor of Science Degree in Biology at University of North Texas in 2009. Dr. Escobar continued her education at University of Texas Medical Branch in Galveston and obtained her Medical Doctor degree in 2014. She followed with a Residency in Pediatrics 2014–2017 at Baylor College of Medicine in Houston. She completed a second Residency in Anesthesia 2017 to 2020 also at Baylor College of Medicine in Houston. Dr. Escobar then completed Pediatric Anesthesia Fellowship at Harvard Medical School in 2021.



Semyon Fishkin, M.D., North Austin Division General Anesthesiology Service - Senior Faculty received his Medical Doctor degree with Honors in July 1985 at the Russian State Medical University in Moscow. Dr. Fishkin then completed three years of neurosurgical postgraduate training at the Sklifosovsky Hospital in Moscow. He continued his medical education by completing a residency in Internal Medicine at the State University of New York at Buffalo in June 1992 and an anesthesiology residency at New York University in August 1998. Subsequent training included a pediatric anesthesia fellowship at the Children’s Hospital of Pittsburgh and a pediatric cardiac anesthesia fellowship at the Children’s Hospital of Philadelphia.



Montserrat Fontanals, M.D., North Austin Division CV Anesthesiology Service - Assistant Professor received her degree in Medicine at University of Barcelona Medical School – Hospital Universitari de Bellvitge 2005–2011. This included an Internship in Gynecology and Obstetrics University Hospital Innsbruck, Austria, July 2006; Internship in Anesthesiology from Hospital Clinic in Barcelona, Spain, July 2008; Internship in Anesthesiology from LUMC Leids Universitair Medisch Centrum, Leiden, The Netherlands, July 2009; Clerkship Student in Pediatric Plastic Surgery, July 2010. Dr. Fontanals went on to receive her ECFMG Certificate in 2014 and her USMLE in 2016. She completed a General Fellowship in Pediatric Anesthesiology and Acute Pain Service at Hospital for Sick Children (SickKids), University of Toronto in 2017–2018. She finished her education with a Fellowship in Pediatric Cardiac Anesthesiology at Texas Children’s Hospital, Baylor College of Medicine in Houston in 2023.



Alexis Fuller, M.D., Houston TMC General Division - Assistant Professor received her Bachelor of Arts in Psychology at Rice University in 2012 graduating cum laude. She continued her education at University of Texas Medical Branch in Houston and received her Medical Doctor degree in 2016 graduating magna cum laude. Dr. Fuller continued with Anesthesiology Residency at Baylor College of Medicine in Houston 2016–2020. She completed Pediatric Anesthesiology Fellowship at University of Michigan 2020–2021.



Anupama Gotimukula, M.D., North Austin Division General Anesthesiology Service - Assistant Professor received her Bachelor of Medicine, Bachelor of Surgery (MBBS) at Kakatiya Medical College, NTR University of Health Sciences, in Andhra Pradesh, India, in 1989. She continued her education at Osmania Medical College, NTR University of Health Sciences, in Andhra Pradesh, India, and received her Diploma in Anesthesiology 1992–1994. Dr. Gotimukula completed her residency at Jackson Memorial Hospital, University of Miami, and Advocate Illinois Masonic Medical Center in Chicago 2002–2006. She pursued her Pediatric Anesthesiology Fellowship at the University of Michigan, Ann Arbor, in 2007. Prior to joining our department in January 2024, she held the title of Pediatric Anesthesiologist at Children’s Hospital of San Antonio, Texas.



Amy Gruber, M.D., North Austin Division General Anesthesiology Service - Assistant Professor received her Bachelor of Science in Communication Sciences and Disorders at University of Texas at Austin in 2004. She continued her education at University of Texas Medical Branch in Galveston, where she received her Doctor of Medicine 2005–2009. Dr. Gruber completed her Residency in Anesthesiology 2009–2013 at University of Chicago. She pursued her Pediatric Anesthesiology Fellowship at Children’s Medical Center Dallas 2013–2014.

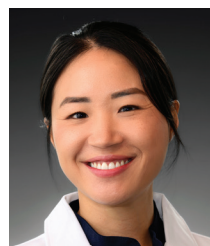
2024 New Faculty



Tiffany Haley-Adams, DNP, CRNA, Houston TMC General Division - Instructor received her Bachelor of Science in Nursing at Texas Christian University in December 2010. Next she attended Wayland Baptist University and received her Master of Science in Nursing Education degree in June 2015. She continued her education at Baylor College of Medicine in Houston and received her Doctor of Nursing Practice, Nurse Anesthesia Program in December 2023.



William Jones, M.D., Houston TMC General Division - Assistant Professor received his Doctor of Medicine at McGovern Medical School, University of Texas Health Science Center at Houston 2015–2019. He went on to complete his Anesthesiology Residency at Baylor College of Medicine in Houston 2019–2023. Dr. Jones completed his training with a Pediatric Anesthesiology Fellowship 2023–2024 at Texas Children’s Hospital, Baylor College of Medicine.



Hyo Jeong (Vicky) Kim, DNP, CRNA, North Austin Division - Instructor received her Bachelor of Science in Nursing at University of Hawaii at Manoa in May 2015. She continued her education at Baylor College of Medicine in Houston and received her Doctor of Nurse Practice - Nurse Anesthesia in December 2023.



Sarah Laqua, CRNA, Houston TMC General Division - Instructor received her Bachelor of Science in Nursing from The University of Texas Health Science Center at Houston in 2002. She went on to receive a Post-Baccalaureate Certificate in Perfusion Technology from Texas Heart Institute in Houston in 2008. Ms. Laqua continued her education and received a Master of Science in Nurse Anesthesia from The University of Texas Health Science Center at Houston in 2012.



Candice Lee, DNP, CRNA, Community Division - Instructor received her Bachelor of Science in Biomedical Sciences in December 2013 at Texas A&M University in College Station. She obtained a Bachelor of Science in Nursing in December 2017 at Texas Woman’s University. Ms. Lee continued her education at The University of Texas Health Science Center at Houston and obtained her Doctor of Nursing Practice in Nurse Anesthesia in August 2024.



Un Chan (Sam) Lee, MSA, CAA, North Austin Division - Instructor attended the University of Texas at Dallas and received his Bachelor of Sciences degree in December 2020. He continued his education at Case Western Reserve University, School of Medicine and received his Master of Science in Anesthesia degree in May 2024.

Dean Martin, M.D., North Austin Division Women’s Anesthesia Service - Assistant Professor graduated with Honors, Magna Cum Laude from Yale University with a Bachelor of Science degree in Biology in May 1988. He then received his M.D. Degree Cum Laude from Harvard Medical School in June 1993. Dr. Martin then continued his education as an intern in Internal Medicine, Harvard Medical School, Deaconess Hospital, Department of Medicine in July 1994. He completed his Anesthesia Residency at Harvard Medical School, Massachusetts General Hospital, Department of Anesthesiology and Critical Care in August 1997. Dr. Martin completed a Fellowship in Obstetrical Anesthesia at Bowman Gray School of Medicine, Wake Forest University, Department of Anesthesiology in December 1998. Previous to joining our team Dr. Martin Partner Chief of Obstetric Anesthesia position at Saint Peter’s University Hospital in New Brunswick.



Krista Miller, MSN, CRNA, North Austin Division - Instructor received her Bachelor of Science in Nursing degree in May 2015 from University of California Los Angeles. She continued her education at Georgetown University and received her Doctor of Nurse Anesthesia Practice in May 2024.



Shobana Murugan, M.D., North Austin Division Women’s Anesthesia Service - Senior Faculty received her Doctor of Medicine at Madras University, India in 1990. Dr. Murugan then completed her Anesthesia Residency and Senior Registrar at PGIMER (Post Graduate Institute of Medical Education and Research), Chandigarh, India 1991–1995. After her internship at University of Texas Medical Branch in Galveston, Dr. Murugan completed an Anesthesiology and Critical Care Residency at Massachusetts General Hospital, Harvard Medical School 1997–1999. She went on to complete a Pain Management Clinical Fellowship at Beth Israel Medical Center, Brigham & Women’s Hospital, Children’s Hospital, Harvard Medical School 1999–2000. Dr. Murugan finished her education with an Obstetric Anesthesia Clinical Fellowship at Brigham & Women’s Hospital, Harvard Medical School in 2001. After 13 years at Ben Taub and four years as Professor at UTMB, Dr. Murugan joined BCM as the Director of Obstetric Anesthesia at the Texas Children’s Hospital, Austin Campus. We are looking forward to her leadership as we extend anesthesia services in Austin.



Elizabeth Nguyen, M.D., Community Division - Assistant Professor received her Bachelor of Arts, Biology Major with University Honors at the University of Texas at Austin. Dr. Nguyen went on to receive her Doctor of Osteopathic Medicine at University of North Texas Health Science Center 2015–2019. Dr. Nguyen completed her Anesthesiology Residency at the University of Texas Medical Branch in Galveston 2019–2023. She completed her training with a Pediatric Anesthesiology Fellowship 2023–2024 at Texas Children’s Hospital, Baylor College of Medicine.



Michelle Nguyen, M.D., Houston TMC General Division - Assistant Professor received her Bachelor of Arts and Minor in Biology at Stanford University in 2010. Dr. Nguyen pursued her Medical Doctor degree at University of Texas Southwestern Medical Center in 2015. She continued her training as a Surgical Resident at Einstein Healthcare Network in 2017. She followed with a Research Fellowship in the Department of Pediatric Surgery, Children’s Hospital of Los Angeles, University of Southern California in 2019. Dr. Nguyen completed Anesthesia Residency at UT Southwestern Medical Center in 2022. She completed Pediatric Anesthesia Fellowship at Baylor College of Medicine, Texas Children’s Hospital in July 2023.

2024 New Faculty



Jessica Otah, M.D., North Austin Division General Anesthesiology Service - Assistant Professor received her Bachelor of Science in Mathematics and Biochemistry at Southern Methodist University 2011-2015. Dr. Otah went on to receive her Doctor of Medicine at the University of Texas Medical Branch in Galveston 2015-2019. She completed an Internal Medicine Internship and Anesthesiology Residency at New York University Grossman School of Medicine 2019-2023. She completed her training with a Pediatric Anesthesiology Fellowship 2023-2024 at Children's Hospital Los Angeles.



Nungcool Park, DNP, CRNA, North Austin Division - Instructor received her Bachelor of Science in Nursing at University of Texas at Arlington in December 2013. She continued her education at Dallas Baptist University where she earned her MBA in Healthcare Administration in May 2017. Next she received her Doctor of Nurse Practice - Nurse Anesthesia at Baylor College of Medicine in Houston in December 2023.



Lance Patak, M.D., MBA, North Austin Division General Anesthesiology Service - Associate Professor received his Bachelor of Science in Nursing at California State University Los Angeles in 1999. He continued his education at USC Marshall School of Business where he received his MBA in 2007. Dr. Patak received Medical Doctor Diploma at David Geffen School of Medicine at UCLA in 2008. Next, he completed an Anesthesiology Internship at University of Michigan Health Systems 2008-2009. Dr. Patak completed Anesthesiology Residency at University of Michigan Health Systems in 2012. His Pediatric Anesthesiology Fellowship training was completed at University of Michigan Health Systems in 2013. Previous to joining our team in January 2024, he held an Associate Professor Faculty

appointment in the Department of Anesthesiology at University of Washington, Seattle Children's Hospital. Dr. Patak is the Quality Liaison for the North Austin Campus.



Sagar Patel, M.D., North Austin Division Women's Anesthesia Service - Assistant Professor received his Bachelor of Science in Chemistry at University of Texas at Austin in 2014. He continued his education at University of Texas Health Science Center McGovern Medical School in Houston and received his Medical Doctor degree in 2018. Dr. Patel completed Anesthesiology Residency at University of Texas Southwestern Medical Center 2018-2022. He pursued his Obstetric Anesthesiology Fellowship at Brigham & Women's Hospital Harvard Medical School, 2022-2023.



Yana Paul, MSN, CRNA, North Austin Division - Instructor received her Bachelor of Science, Nursing degree from Loewenberg School of Nursing, University of Memphis in 2006. She continued her education at Union University where she received her Master's in Nurse Anesthesia degree in 2011.



April Phillips, MS, CRNA, Houston TMC General Division - Instructor received her Associates Degree in Nursing at Kellogg Community College in 2004. She continued her education at University of Michigan and received her Bachelor of Science, Nursing degree in 2007. Next she received her Masters of Science in Nurse Anesthesia at University of Michigan-Flint in 2010.



Lizza Ranit, D.N.A.P., CRNA, North Austin Division - Instructor received her Bachelor of Science in Nursing degree in May 2015 from University of California, Los Angeles. She continued her education at Georgetown University and received her Doctor of Nurse Anesthesia Practice in May 2024.



Thomas Rappold, M.D., Houston TMC General and Critical Care Anesthesiology Divisions - Assistant Professor graduated from Clemson University in May 2005 and received a Bachelor of Science in Computer Information Systems, summa cum laude. Dr. Rappold continued his education with a Post-baccalaureate Pre-medical Program at University of Virginia in July 2009. He graduated from the Johns Hopkins University School of Medicine in 2015 and completed a Combined Residency Training in Pediatric Anesthesiology at Johns Hopkins Hospital in Baltimore in June 2020. He continued his training with a Fellowship in Pediatric Critical Care Medicine at Children's Hospital of Philadelphia, in June 2023. He graduated from his Pediatric Anesthesiology Fellowship program in September 2024 at Children's Hospital of Philadelphia.



Michelle Ryba, CAA, North Austin Division - Instructor received her Bachelor of Science in Microbiology from Colorado State University in 2007. She continued her education at Nova Southeastern University where she received her Master's of Health Science - Anesthesiologist Assistant in 2009. She is currently set to receive her Doctor of Health Science degree from University of the Pacific in Sacramento, California in December 2025. Ms. Ryba is named Director-Certified Anesthesiologist Assistants at Texas Children's Hospital, Austin and Houston Campuses.



Manoj Sekar, M.D., Houston TMC CV Division - Assistant Professor attended Duke University from 2007-2011 where he received his Bachelor of Science Degree. Next Dr. Sekar received his Medical Doctor degree at Duke University School of Medicine in 2017. He completed his Anesthesiology Residency at University of California - San Francisco in 2021. He pursued his Pediatric Anesthesiology Fellowship at Baylor College of Medicine, Texas Children's Hospital in 2022 and remained there to complete his Pediatric Cardiovascular Anesthesiology Fellowship in 2023.

2024 New Faculty



Jamie Schulte, MSA, CAA, North Austin Division - Instructor received her Bachelor of Science in Biochemistry - Summa Cum Laude, at Maryville University in 2019. She continued her education at Case Western Reserve University and obtained her Master of Science in Anesthesia in 2021.



Jose Sosa-Herrera, M.D., Community Division - Assistant Professor received his Medical Degree at the Universidad Autonoma de Tamaulipas, School of Medicine, Mexico in 2011. He then was a Surgery Intern at Angeles Pedregal Hospital, Mexico City in 2013. Next he completed Surgery Intern (Preliminary), Abington-Jefferson Health in 2014-2015. Dr. Sosa-Herrera then was a Surgery Resident at Temple University Hospital in 2015-2016. He completed his Anesthesiology Residency at Temple University Hospital in 2016-2019. Then he completed Pediatric Anesthesiology Fellowship at Boston Children's Hospital in 2020-2021. Prior to joining our department in January 2024, he held the title of Attending Pediatric Anesthesiologist at Children's Hospital of Philadelphia and Assistant Professor of Anesthesiology at Perelman School of Medicine at the University of Pennsylvania.



Marion Starks, M.D., North Austin Division General Anesthesiology Service - Senior Faculty attended the University of Texas at Austin and received his Bachelor of Arts in Biology with a minor in Chemistry in 1984. Dr. Starks then received his Medical Doctor degree at University of Texas Medical School, San Antonio in 1988. He completed an Internship in the Internal Medicine Department, University of Texas Health Science Center at San Antonio in 1989. He completed his Anesthesiology Residency training at the University of Pennsylvania. Dr. Starks then completed a Research Fellowship in the specialty, "Intracellular Regulation of Airway Smooth Muscle Relaxation" at the University of Pennsylvania in 1992. He proceeded to complete his Pediatric Anesthesiology Fellowship training 2001-2002 at Boston Children's Hospital, Harvard Medical School in 2002.



Ben Trieu, MS, CAA, North Austin Division - Instructor received his Bachelor of Science in Biomedical Engineering degree at North Carolina State University in May 2020. He continued his education at Case Western Reserve University in Washington, DC, and he received his Master of Science in Anesthesia degree in May 2022.



Clementine Vo, M.D., Houston TMC CV Division - Assistant Professor received her Bachelor of Science Degree in Biology at University of California, Riverside in 2008. Dr. Vo continued her education at A.T. Still University, School of Osteopathic Medicine, Arizona in 2012. She then completed a Traditional Rotating Internship at Downey Regional Medical Center 2012-2013. She followed with a Residency in Anesthesiology 2013-2016 at University of Arizona. Dr. Vo completed her Pediatric Anesthesiology Fellowship at Children's Hospital of Los Angeles in 2016-2017. Her Pediatric Cardiovascular Anesthesiology Fellowship was completed at Children's Hospital of Los Angeles in 2017-2018.

2023-2024 Fellows Class

The Department of Anesthesiology, Perioperative and Pain Medicine celebrated the 2023-2024 graduating fellows at a ceremony on Friday, June 14, 2024 at the InterContinental Hotel. The Department sincerely wishes our graduates the very best in their future endeavors!



2024-2025 Pediatric Anesthesiology Fellowship



Ahmed Bahnaswy, M.D.
Residency: Cairo University
Fellowship: Northwestern
Memorial Hospital



Christina-Lin Brown, M.D.
Residency: University of Texas
Health Science Center at Houston



Melissa Delcont, M.D.
Residency: Baylor College of
Medicine

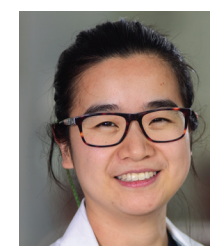


Esteban Esquivel, M.D.
Residency: University of
Texas Medical Branch



Nicolette Vassallo, M.D.
Residency: University of Texas
Health Science Center at Houston

2024-2025 Pediatric Cardiovascular Anesthesiology Fellowship



Yifan (Annie) Li, M.D.
Residency: Western
University, Schulich School
of Medicine and Dentistry
Fellowship: The Hospital
for Sick Children



Jordan Huang, M.D.
Residency: Guthrie
Robert Packer Hospital
Fellowship: Children's
Hospital of Colorado



Olivia Valencia, M.D.
Residency: Vanderbilt
University Medical Center
Fellowship: Baylor St. Luke's
Medical Center

Publications

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Presentations

Adams HD. Perioperative Insulin Pump Therapy. 62nd Clinical Conference in Pediatric Anesthesiology, Pediatric Anesthesiology Foundation, Anaheim, California, USA, February 18, 2024.

Adams HD. Enhancing Pediatric Anesthesiology Fellows' Coping Strategies: A Comprehensive Workshop Intervention for Perioperative Adverse Events. SPA-APP Pediatric Anesthesia 2024, Anaheim, California, USA, April 13, 2024.

Adler AC. Preparing Children for the Operating Room: What Are the Current Practices?. NWSA, Las Vegas, Nevada, USA, September 9, 2024.

Adler AC. Review of Pediatric Anesthesia: From Premeds to Emergence Delirium. NWSA, Las Vegas, Nevada, USA, September 9, 2024.

Adler AC. Caudal Blocks and Kids: What You Need to Know. NWSA, Las Vegas, Nevada, USA, September 12, 2024.

Adler AC. OSA and Pediatric Anesthesia: From Diagnosis to Discharge. NWSA, Las Vegas, Nevada, USA, September 10, 2024.

Adler AC. Point-of-Care Ultrasound for the Anesthesia Provider: Uses, Pitfalls and Future Directions. NWSA, Las Vegas, Nevada, USA, September 10, 2024.

Adler AC. Noncardiac Surgery for Adults With Congenital Heart Disease. remote webinar, Houston, Texas, USA, January 27, 2024.

Adler AC. Preparing Children for the Operating Room: What Are the Current Practices?. remote - webinar, Houston, Texas, USA, January 27, 2024.

Adler AC. Review of Pediatric Anesthesia: From Premeds to Emergence Delirium. remote webinar, Houston, Texas, USA, January 27, 2024.

Adler AC. Pharmacologic and non-pharmacologic strategies for the prevention and treatment of emergence delirium. IARS-lecture, Pennsylvania, USA, February 13, 2024.

Adler AC. ac Surgery for Patients with Congenital Heart Disease. invited professor, Springfield, Massachusetts, USA, April 18, 2024.

Aina-Jones T. A Case of an Obese Autistic Patient Refusing Anesthesia Induction. ASA, Pennsylvania, USA, October 21, 2024.

Aina-Jones T. To Cancel Or Not To Cancel, That Is The Question- A Case of a Toddler With a Recent URI Presenting For Elective Surgery. ASA, Pennsylvania, USA, October 20, 2024.

Aina-Jones T. Public Speaking 101. PsychedelX Conference - Virtual, Texas, USA, April 7, 2024.

Aina-Jones T. Assessing the Impact of an Intensive Introductory Education Series during a 2-day Pediatric Anesthesiology Fellowship Orientation. SEA Spring Meeting, Pennsylvania, USA, April 20, 2024.

Bacigalupo Landa A. Cardiopulmonary Bypass (CPB) in Pediatrics. Congenital Cardiac Anesthesia Society (CCAS) Pediatric Cardiovascular Anesthesiology Lecture Series, North Carolina, USA, March 15, 2024.

Bacigalupo Landa A. Identification of Training & Practices in Pediatric Anesthesia in Ibero-America. Society for Pediatric Anesthesia (SPA) - American Academy of Pediatrics (AAP) Annual Meeting, Anaheim, California, USA, April 13, 2024.

Baijal RG. Total Intravenous Anesthesia In Children. Uruguayan Society Of Anesthesiology; Montevideo, Uruguay, Uruguay, April 27, 2024.

Buchanan AC. Truncal Blocks. University of Texas McGovern, Houston, Texas, USA, August 17, 2024.

Campos-Lopez CJ. ASA Guidelines directed to Pediatric Anesthesia. Mexican Pediatric College of Medicine Meeting, Chihuahua, Chihuahua, Mexico, September 28, 2024.

Campos-Lopez CJ. Pediatric Anesthesia POCUS. Mexican Pediatric Colleague of Medicine, Chihuahua, Chihuahua, Mexico, September 28, 2024.

Campos-Lopez CJ. Pediatric Anesthesia Guidelines and Regulations given by the SPA. Fall Regional Meeting, Mexican College of Anesthesiology, Chihuahua, Chihuahua, Mexico, November 16, 2024.

Campos-Lopez CJ. Are we Ready to handle a Cardiac Arrest during a Simple Case. Colegio de Anestesiologia de Mexico. National/International Meeting, Puebla, Mexico, August 23, 2024.

Campos-Lopez CJ. Pediatric Anesthesia Trauma Management. Colegio de Anestesiologia de Mexico. National/ International Meeting 8/24, Puebla, Mexico, August 23, 2024.

Caplan L. What's New in Pediatric Resuscitation. 1st international conference on pediatric dentistry and pediatrics, Ulaanbaatar, Tov, Mongolia, October 3, 2024.

Caplan L. Coronary artery fistula in a 2 day old: anesthetic considerations for transcatheter device closure. World congress of anesthesia, Singapore, March 5, 2024.

Caplan L. using escape room gamification techniques for medical education. international meeting for simulation in healthcare, San Diego, California, USA, January 22, 2024.

Caplan L. Congenital coronary artery fistula in a 2 day old: anesthetic considerations for trans catheter device placement. SPA, Anaheim, California, USA, April 13, 2024.

Caplan L. Coronary artery fistula in a 2 day old: anesthetic considerations for trans catheter device placement. CCAS, Anaheim, California, USA, April 11, 2024.

Chandrakantan A. Pediatric OSA and neurocognition. Gordon Neurodevelopment, Florence, Italy, July 8, 2024.

Chandrakantan A. Pediatric OSA and glial cell biology. Cold Spring Harbor Laboratories-glia cell function, Cold Spring Harbor, New York, USA, August 13, 2024.

Chen K. VIRTUAL REALITY AS A TOOL FOR NON-PHARMACOLOGIC PEDIATRIC CHRONIC PAIN MANAGEMENT: A CASE SERIES. 23rd American Society of Regional Anesthesia and Pain Medicine, Las Vegas, Nevada, USA, November 21, 2024.

Chen M. Sudden Cardiovascular Collapse from Bone Cement: A Rare Case Report in the Pediatric Patient. International Anesthesia Research Society (IARS), Seattle, Washington, USA, May 19, 2024.

Chen M. Sudden Cardiovascular Collapse from Bone Cement: A Rare Case Report in the Pediatric Patient. SPA Annual Meeting, Anaheim, California, USA, April 13, 2024.

Chien JS. "GA is not Plan A!" Spinal-caudal catheter in an ex 26-week high-risk infant undergoing bilateral inguinal hernia repair. Society for Pediatric Anesthesia Annual Conference 2024, Anaheim, California, USA, April 13, 2024.

Faraoni D. Perioperative coagulation management - What do you do differently with babies?. Treffen der AG Kinderkardiologische Intensivmedizin (AKKI), Germany, September 13, 2024.

Faraoni D. Overcoming barriers: pediatric model. Spanish Society of Anesthesiology, Resuscitation, and Pain Therapy (SEDAR), Valencia, Spain, April 19, 2024.

Fontanals M. Management of resistant and refractory Hypertension to allow transitioning from cardiopulmonary bypass to VA ECMO in pediatric congenital heart surgery. CCAS 2024, Los Angeles, California, USA, April 11, 2024.

García PJ. Epidural Catheter Associated Infections. SPA meeting, Anaheim, California, USA, April 13, 2024.

García PJ. Epidural Catheter Associated Infections. SPPM meeting, Anaheim, California, USA, April 11, 2024.

Hassanpour A. Current Topic Analysis: Regional Anesthesia Techniques for Cleft Lip and Palate Repair. Texas Society of Anesthesiologists - Digital Poster Presentations, San Antonio, Texas, USA, September 14, 2024.

Hassanpour A. Pediatric Anesthesia Jeopardy: Audience Participation via E-Polling. 2024 TSA Annual Meeting at the Pediatric Parallel session, San Antonio, Texas, USA, September 12, 2024.

Huang G. See one, Do one, Teach one. IPSSW 2024, Texas, USA, May 10, 2024.

Huang H. Low Dose Naltrexone for Pediatric Chronic Pain and Inflammatory States The Perioperative Conundrum. Texas Society of Anesthesiologists, San Antonio, Texas, USA, September 7, 2024.

Huang H. Stellate Ganglion Block Significantly Improved Fatigue in Idiopathic Chronic Fatigue Syndrome. Texas Society of Anesthesiologists, San Antonio, Texas, USA, September 7, 2024.

Huang H. Safe and Successful Closed-Loop Spinal Cord Stimulation in Pediatric Pain Management with Severe Neuromuscular Scoliosis. NANS 2025, Orlando, Florida, USA, October 21, 2024.

Huang H. Stellate Ganglion Block Significantly Improved Fatigue in Idiopathic Chronic Fatigue Syndrome. ASA 2024, Philadelphia, Pennsylvania, USA, October 21, 2024.

Huang H. Low Dose Naltrexone for Pediatric Chronic Pain and Inflammatory States The Perioperative Conundrum. Presentation at ASA 2024, Philadelphia, Pennsylvania, USA, October 20, 2024.

Huang H. Pneumomediastinum and Subcutaneous Emphysema after Tonsillectomy. ASA 2024, Philadelphia, Pennsylvania, USA, October 20, 2024.

Huang H. Preliminary Survey of Transgender and Gender Diverse Patient Satisfaction at a Chronic Pain Clinic. ASA 2024, Philadelphia, Pennsylvania, USA, October 19, 2024.

Huang H. Unlocking the Mystery: Piriformis Syndrome as a Hidden Culprit in Lower Extremity Tremors. Presentation at ASA 2024, Philadelphia, Pennsylvania, USA, October 19, 2024.

Huang H. Successful pediatric epidural steroid injection for radicular pain in congenital myasthenia syndrome: considerations for the pain physician. ASRA 2024, Philadelphia, Pennsylvania, USA, October 15, 2024.

Huang H. virtual reality as a tool for non-pharmacologic pediatric chronic pain management: a case series. ASRA 2024, Philadelphia, Pennsylvania, USA, October 15, 2024.

Huang H. Using Deep Brain Stimulation for Recalcitrant Pain Management in a Case of Pediatric Trigeminal Neuralgia. World Congress of Anesthesiology 2024, Singapore, March 5, 2024.

Huang H. Retrospective Comparison of the Addition of Bilateral Erector Spinae Blocks for patients Undergoing Pectus Excavatum Repair. World Congress of Anesthesiology 2024, Singapore, March 4, 2024.

Huang H. Multimodal Perioperative Pain Management for Painful Pediatric Surgery. Chang Gong Memorial Hospital, Taiwan, March 1, 2024.

Huang H. Low Dose Naltrexone for Pediatric Chronic Pain and Inflammatory States_ The Perioperative Conundrum. Georgia Society of Anesthesiologists, Lake Lanier Islands, Georgia, USA, July 14, 2024.

Huang H. Using Deep Brain Stimulation for Recalcitrant Pain Management in a Case of Pediatric Trigeminal Neuralgia. North American Neuromodulation, Las Vegas, Nevada, USA, January 19, 2024.

Huang H. Epidural Site Infection Following Epidural Catheter Placement. Society for Pediatric Anesthesia, Anaheim, California, USA, April 13, 2024.

Huang H. Pneumomediastinum and Subcutaneous Emphysema after Tonsillectomy. Society for Pediatric Anesthesia, Anaheim, California, USA, April 13, 2024.

Huang H. Utilization of Behavioral Intervention for Cervicogenic Headache. Society for Pediatric Anesthesia, Anaheim, California, USA, April 13, 2024.

Huang H. Epidural Site Infection Following Epidural Catheter Placement. Society for Pediatric Pain Medicine, Anaheim, California, USA, April 11, 2024.

Huang H. Utilization of Behavioral Intervention for Cervicogenic Headache. Society for Pediatric Pain Medicine, Anaheim, California, USA, April 11, 2024.

Huang H. Ultrasound guided caudal epidural and piriformis injection. SPPM 2024, Anaheim, California, USA, April 10, 2024.

Hubbard RM. Expanding Global Surgical Capacity in a World of Need: The Anesthesiologist's Role in a Global Movement. Grand Rounds Presentation at Nationwide Children's Hospital, Columbus, Ohio, USA, May 2, 2024.

Hubbard RM. Erector Spinae Plane Block: an Introduction. Point-of-Care Ultrasound for Congenital Cardiac Anesthesia, Dhaka, Dhaka, Bangladesh, May 19, 2024.

Hubbard RM. Ultrasound for Vascular Access. Point of Care Ultrasound for Congenital Cardiac Anesthesia, Dhaka, Dhaka, Bangladesh, May 19, 2024.

Hubbard RM. POCUS for Vascular Access. Congenital Cardiac Anesthesiology Short Course, Nairobi, Nairobi City, Kenya, May 16, 2024

Hubbard RM. Transition to the ICU and Early ICU management. Congenital Cardiac Anesthesiology Short Course, Nairobi, Nairobi City, Kenya, May 16, 2024.

Hubbard RM. From Sewanee to Dhaka: A Personal and Professional Journal. The University of the South. Given to a group of pre-medical students., Sewanee, Tennessee, USA, January 26, 2024.

Hubbard RM. International Collaboration for Global Health Research. Kijabe Hospital, Kijabe, Kiambu, Kenya, August 20, 2024.

Hubbard RM. Distribution and characteristics of congenital cardiac surgery centers within Bangladesh. BCM Pediatric Research Symposium 2024, Houston, Texas, USA, April 2, 2024.

Hutting HG. Awake Craniotomy for Deep Brain Stimulator Placement in a Child with Dystonia and Autism Spectrum Disorder. SPA-AAP Pediatric Anesthesiology 2024, Anaheim, California, USA, April 13, 2024.

Jonna LM. SPANZA: One Lung Ventilation Workshop Training Session. Zoom Virtual Conference with attending. Coordinated time with attendees in USA (WA, Texas and North Carolina) and Australia, Australia, October 8, 2024.

Jonna LM. SPANZA: Pediatric One Lung Ventilation. Society for Pediatric Anesthesia in New Zealand and Australia, Melbourne, Australia, October 25, 2024.

Jonna LM. GA is not PLAN A! Spinal-caudal catheter in an ex 26-week high-risk infant undergoing bilateral inguinal hernia repair. SPA/AAP Pediatric Anesthesiology 2024 Meeting, California, USA, April 13, 2024.

Karram S. ERAS: Past, Present, Future. American Society of PeriAnesthesia Nurses (ASPN), TAPAN Division, Houston, Texas, USA, October 15, 2024.

Karram S. Erector Spinae Plane Block. POCUS for Congenital Cardiac Anesthesia, Dhaka, Dhaka, Bangladesh, May 19, 2024.

Karram S. Erector Spinae Plane Block. Congenital Cardiac Anesthesia Short Course, Nairobi, Nairobi City, Kenya, May 16, 2024.

Liu CJ. Epidural use in a patient with vascular ehlers-danlos. 49th ASRA conference, San Diego, California, USA, March 21, 2024.

Lobaugh LM. Understanding Human Factors in Perioperative Medication Errors and How to Build Resiliency through Safety Nets. AOCA, Palm Springs, California, USA, September 9, 2024.

Lobaugh LM. Anesthesia and Pharmacy Partnership to Improve Quality and Patient Safety. Anesthesia Patient Safety Foundation Stoetling Conference, Boston, Massachusetts, USA, September 5, 2024.

Lobaugh LM. Anesthesia-Related Medication Errors and Technology-Based Prevention Strategies. AOCA Virtual Winter Meeting, January 14, 2024.

Mann DG. Cosyntropin Administration for the Prophylaxis of Post Dural Puncture Headache (PDPH) in a Parturient Presenting for Fetoscopic Neural Tube Defect Repair. Society for Maternal-Fetal Anesthesia Annual Meeting, Houston, Texas, USA, September 22, 2024.

Mann DG. Ethics of Fetal Innovations. Society of Maternal-Fetal Anesthesiology Annual Meeting, Houston, Texas, USA, September 21, 2024.

Mann DG. Ethics of Compassionate Use in Fetal Interventions. ICCEC 2023 Annual Conference, Montreal, Canada, May 30, 2024.

Mann DG. Ethics of Fetal Innovations. University of Alabama - Birmingham MFM meeting, Birmingham, Alabama, USA, March 29, 2024.

Mohammad S. Arndt Bronchial Blocker with Glidewire Technique. SPANZA meeting, Melbourne, Vic, Australia, October 25, 2024.

Mohammad S. SPANZA Meeting Pediatric One Lung Ventilation Overview Talk. SPANZA meeting, Melbourne, Vic, Australia, October 25, 2024.

Mohammad S. Postoperative Pain Management During Orthognathic Surgery in Cleft Lip and Palate Patients Using Liposomal Bupivacaine.. Henry J. N. Taub & James K. Alexander Medical Student Research Symposium, Houston, Texas, USA, January 29, 2024.

Mohammad S. Air In but Not Out! High Hypercapnia during a Neonatal Surgery for a Tracheoesophageal Fistula Repair. SPA, Anaheim, California, USA, April 13, 2024.

Mohammad S. Techniques in Pediatric One Lung Ventilation. SPA, Anaheim, California, USA, April 13, 2024.

Mossad EB. Risk stratification in children with CHD for NCP. Childrens Hospital of Michigan Mohan Memorial Lecture, Detroit, Michigan, USA, September 11, 2024.

Mossad EB. Role of ROTEM in Coagulation Management. Children's Hospital of Michigan Fellows and Residents conference - Round Table, Detroit, Michigan, USA, September 11, 2024.

Mossad EB. History of Christianity from Birth to Reformation. Houston Retired Physician Organization, Houston, Texas, USA, January 9, 2024.

Motta P. Trampas y limitaciones de la ecocardiografía en la UCIP. 3er Curso de Ultrasonido Pediátrico y Neonatal en Perú, Lima, Lima, Peru, September 8, 2024.

Motta P. Valoración de la tolerancia a líquidos - Protocolo VExUS. 3er Curso de Ultrasonido Pediátrico y Neonatal en Perú, Lima, Lima, Peru, September 8, 2024.

Motta P. Protocolos clínicos de ultrasonido y enfoque perioperatorioe en el niño. 3er Curso de Ultrasonido Pediátrico y Neonatal en Perú, Lima, Lima, Peru, September 7, 2024.

Motta P. Derrame Pericárdico. 3er Curso de Ultrasonido Pediátrico y Neonatal en Perú, Lima, Lima, Peru, September 6, 2024.

Motta P. Ultrasonido en neonatos: procedimiento. 3er Curso de Ultrasonido Pediátrico y Neonatal en Perú, Lima, Lima, Peru, September 6, 2024.

Motta P. Considerations by anesthesia and critical care which permit optimization of patients prior to a procedure and the smoothest recovery afterwards. ACHD, Women's Health, and Fetal Cardiology Conference, Houston, Texas, USA, September 13, 2024.

Motta P. Abordando la Falla Cardíaca Aguda: Perspectivas en Soporte Mecánico y Consideraciones Anestésicas. Congreso Latinoamericano de Anestesia CV, Montevideo, Montevideo, Uruguay, September 13, 2024.

Motta P. Pacing Through the Unknown: Pediatric Surgical Dilemmas and Cardiac Challenges. American Society of Anesthesiologists, Philadelphia, Pennsylvania, USA, October 19 and 21, 2024.

Motta P. Uso da dexmedetomidina no perioperatorio da cirurgia cardíaca pediátrica. Sociedade Brasileira de Anestesiologia, Rio De Janeiro, Rio De Janeiro, Brazil, May 7, 2024.

Motta P. "Abordando la falla cardiaca aguda. Perspectivas en soporte mecánico y consideraciones anestésicas.". 12° Curso Internacional de Anestesiología Cardiotorácica, Ecocardiografía y Circulación Extracorpórea 2024, Cdmx, Distrito Federal, Mexico, June 8, 2024.

Motta P. "Explorando la insuficiencia cardiaca: Avances en asistencia ventricular, trasplante cardiaco y consideraciones anestésicas.". 12° Curso Internacional de Anestesiología Cardiotorácica, Ecocardiografía y Circulación Extracorpórea 2024, Cdmx, Distrito Federal, Mexico, June 8, 2024.

Motta P. "ESTRATEGIAS DE ASISTENCIA VENTRICULAR EN EL PACIENTE CON CIRCULACIÓN UNIVENTRICULAR". 12° Curso Internacional de Anestesiología Cardiotorácica, Ecocardiografía y Circulación Extracorpórea 2024,, Cdmx, Distrito Federal, Mexico, June 7, 2024.

Motta P. "ETE EN TETRALOGÍA DE FALLOT Y FALLA DERECHA POST-OPERATORIA". 12° Curso Internacional de Anestesiología Cardiotorácica, Ecocardiografía y Circulación Extracorpórea 2024, Cdmx, Distrito Federal, Mexico, June 7, 2024.

Motta P. "Comunicación eficaz en el quirófano. Inteligencia artificial...revolucionando la práctica en la anestesia". Universidad de Navarra Grand Rounds, Pamplona, Navarra, Spain, June 21, 2024.

Motta P. Desafíos y Consideraciones Anestésicas en Adultos con Patología Cardíaca Congénita. AAARBA, Buenos Aires, Buenos Aires, Argentina, August 28, 2024.

Motta P. Identification of Training Practices in Pediatric Anesthesia In Ibero-America. SPA 2024, Anaheim, California, USA, April 13, 2024.

Motta P. La Anestesia Pediátrica en Latinoamérica. Presente y Futuro. Hospital Infantil de Mexico (Virtual), Cdmx, Distrito Federal, Mexico, April 1, 2024.

Murugan S. What's new in Obstetric Anesthesia. Invited Presenter Texas Society of Anesthesiology Annual Meeting 2024. Topic: What's New in Obstetric Anesthesia, San Antonio, Texas. 09/7/2024., San Antonio, Texas, USA, September 7, 2024.

Murugan S. Rescue Laryngeal Mask Airway for Difficult Airway in an Urgent C-section Complicated by Massive Hemorrhage-. 2 cases SOAP 56th Annual meeting Denver. May 1-5 2024, Denver, Colorado, USA, May 4, 2024.

Murugan S. Local Anesthetic Systemic Toxicity in Pregnancy: A Retrospective Cohort Analysis.. SOAP 56th annual meeting at Denver, Colorado May 1-5, 2024, Accepted for session on Best research poster presentation category, Denver, Texas, USA, May 3, 2024.

Murugan S. Supraventricular tachycardia after epidural neuraxial analgesia placement. Presented at the 49th American Regional Anesthesiology and Acute Pain Medicine meeting March 21-23, 2024, San Diego, California, San Diego, California, USA, March 22, 2024.

Naus CA. Fetal Cardiac Interventions: Anesthetic Considerations & Fetal Resuscitation. Society for Maternal-Fetal Anesthesia Annual Meeting, Houston, Texas, USA, September 22, 2024.

Naus CA. Anesthetic Considerations for Fetal Cardiac Intervention: A Case Report. Society for Obstetric Anesthesiology and Perinatology (SOAP) Annual Meeting, Denver, Colorado, USA, May 2, 2024.

Naus CA. Anesthesia for Fetal Surgery. American Academy of Anesthesiologist Assistants (AAAA) Annual Meeting, Orlando, Florida, USA, April 13, 2024.

Nzegwu BC. Single Lung Ventilation. Pediatric Anesthesia Fellow Bootcamp at McGovern School of Medicine at UT Health Houston, Houston, Texas, USA, August 17, 2024.

Otu C. Management of a Patient with the Fontan Circulation Undergoing Scoliosis Surgery. Medical College of Georgia Department of Anesthesiology Grand Rounds, Augusta, Georgia, USA, March 21, 2024.

Otu C. Assessing the Impact of an Intensive Introductory Lecture Series During Two-Day Pediatric Anesthesiology Fellowship Orientation. Society for Education in Anesthesia, Philadelphia, Pennsylvania, USA, April 20, 2024.

Otu C. Design and Implementation of an Intraoperative Teaching Guide for Pediatric Anesthesiology Fellows. Society for Education in Anesthesia, Philadelphia, Pennsylvania, USA, April 20, 2024.

Otu C. The Borderline Neonatal Left Heart - It Takes a Village (Session Moderator). Congenital Cardiac Anesthesia Society, Anaheim, California, USA, April 11, 2024.

Patak LS. Un-normalizing Silent Inequities for Vulnerable Patient Populations at the Point of Care. Parkland Health, Dallas, Texas, USA, May 23, 2024.

Patak LS. Intraoperative POCUS: A Lifesaving Skill for Anesthesiologists. Seattle Children's Hospital QI Meeting, Seattle, Washington, USA, February 26, 2024.

Patak LS. Hocus POCUS to break the spell: The role of point of care ultrasound in managing a pulmonary hypertensive crisis masquerading as a tracheomalacia spell. SPA-AAP Pediatric Anesthesiology 2024, Anaheim, California, USA, April 13, 2024.

Patak LS. Managing the Midnight Concurrent Emergencies: When There is Nobody Left to Call (Problem Based Learning Discussion). SPA-AAP Pediatric Anesthesiology 2024, Anaheim, California, USA, April 13, 2024.

Resheidat A. Anesthetic guideline for ACTA2 mutation for aortic root replacement on cardiopulmonary bypass. SPA, California, USA, April 11 and 13, 2024.

Resheidat A. Use of hydralazine in refractory hypertension/ECMO. CCAS, Arizona, USA, April 11, 2024.

Rojas NJ. Premedication: Pharmacologic Vs. Non-pharmacologic Options. Texas Society of Anesthesiologists Annual Conference, Texas, USA, September 6, 2024.

Rossmann Beel E. A Retrospective Review of Perioperative Cardiac Arrest Incidences, Contributing Factors, and Outcomes in Pediatric Patients. American College of Surgeons Quality & Safety Conference 2024, Denver, Colorado, USA, July 20, 2024.

Rossmann Beel E. A Retrospective Review of Perioperative Cardiac Arrest Incidences, Contributing Factors, and Outcomes in Pediatric Patients. SPA Annual Meeting, Anaheim, California, USA, April 13, 2024.

Rossmann Beel E. Pheochromocytoma resection: Is there more to it than hemodynamics ?. SPA Annual Meeting, Anaheim, California, USA, April 13, 2024.

Sawires YI. Being the bearer of hard news. IPSSW, Denver, Colorado, USA, May 8, 2024.

Seipel CP. Difficult airway management in a patient with Beckwith Widemann. American Society of Anesthesiologists Anesthesiology 2024, Philadelphia, Pennsylvania, USA, October 7, 2024.

Seipel CP. Anesthesiology. AAMC Medical Specialty Forum, Texas, USA, March 28, 2024.

Sekar M. Left-to-Right Shunt Lesions. Congenital Cardiac Anesthesiology Short Course, Nairobi City, Nairobi, Kenya, May 16, 2024.

Sekar M. Right-to-Left Shunt Lesions. Congenital Cardiac Anesthesiology Short Course, Nairobi City, Nairobi, Kenya, May 16, 2024.

Sosa Herrera J. Who Chooses Pediatric Anesthesiology? SPA, Anaheim Ca, April 2024. Poster presentation. Presented by medical student I. Soliman and co-PI E. Drum, MD Authors: I. Soliman, J. Sosa-Herrera, J. Babia Espiritu and E. Drum, Anaheim, California, USA, April 12, 2024.

Sutton CD. The Relationship of Maternal Mortality to Global (and Serbian) Reproductive Rights. 14th Annual Eastern European OB Anesthesia College, Bosnia-Herzegovina, September 28, 2024.

Sutton CD. Fetoscopic Spina Bifida Repair: An Anesthesiologist's Perspective. Society for Maternal-Fetal Anesthesia Annual Meeting, Texas, USA, September 21, 2024.

Sutton CD. Anaesthesia for foetal surgery. 2024 All Africa Anaesthesia Congress, South Africa, September 15, 2024.

Sutton CD. What to Say When There Are No Words: Strategies for Talking with Patients After a Traumatic Event. Society for Obstetric Anesthesiology and Perinatology Annual Meeting, Colorado, USA, May 4, 2024.

Sutton CD. Anesthetic Considerations for Fetal Cardiac Intervention: A Case Report. Society for Obstetric Anesthesia and Perinatology Annual Meeting, Colorado, USA, May 3, 2024.

Sutton CD. The Ethics of Compassionate Use in Fetal Interventions. International Conference on Clinical Ethics and Consultation, Canada, May 1, 2024.

Sutton CD. Obstetric Anesthesia Education: North American Paradigm. World Congress of Anaesthesia, Singapore, March 6, 2024.

Sutton CD. Global Reproductive Rights and Maternal Mortality. World Congress of Anesthesia, Singapore, March 5, 2024.

Sutton CD. Uncertainty and Ambiguity: An Anesthesiologist's Perspective on Shared Decision-Making. University of Texas Medical Branch Anesthesia Grand Rounds, Texas, USA, March 20, 2024.

Sutton CD. Development of a Clinical Pathway in Management of Prenatal Diagnosis of Airway Concerns. Fetal Medicine Foundation World Congress, Portugal, June 23, 2024.

Sutton CD. First results of a laparotomy-assisted 3-port fetoscopic spina bifida repair at the University Hospital of Giessen and Marburg, Germany. Fetal Medicine Foundation World Congress, Portugal, June 23, 2024.

Tjia IM. Postoperative Nausea and Vomiting Prevention: Wake Up Safe Quality Improvement Project. Wake Up Safe National Monthly Conference, Texas, USA, September 5, 2024.

Tjia IM. Advanced QI and Safety Seminar. Wake Up Safe Educational Session Fall 2024, Philadelphia, Pennsylvania, USA, October 20, 2024.

Tjia IM. Round Table Discussion: Applying Implementation Science to Institution Projects. Wake Up Safe Educational Session Fall 2024, Philadelphia, Pennsylvania, USA, October 20, 2024.

Tjia IM. Blue Run Safety and Quality Improvement Seminar. American College of Surgeons Quality and Safety Conference, Denver, Colorado, USA, July 13, 2024.

Tjia IM. Building a Safety Culture. Children's National Pediatric Anesthesiology Grand Rounds, District of Columbia, USA, February 1, 2024.

Tjia IM. WUS QI Collaborative- NICU Hypothermia Prevention. WUS Educational Meeting Anaheim, California, Anaheim, California, USA, April 14, 2024.

Tjia IM. WUS QI Collaborative Update- PIVIE Prevention. WUS Educational Meeting Anaheim, California, Anaheim, California, USA, April 14, 2024.

Tjia IM. Seminar in Advanced Quality Improvement, Safety and Performance Management. SPA, Anaheim, California, USA, April 12, 2024.

Trivedi P. Transcatheter ASD Device Embolization Necessitating Emergent Operative Retrieval and Mitral Valve Repair. SPA, Anaheim, California, USA, April 13, 2024.

Trivedi P. Flash pulmonary edema following transcatheter pulmonary valve replacement. CCAS, Anaheim, California, USA, April 11, 2024.

Williams ES. Loving Your Heart - Cardiovascular Disease Prevention in Women. James Reese Career and Technological Center 12300 University Blvd. Sugar Land, Texas 77479, Houston, Texas, USA, June 22, 2024.

Williams ES. On the Shoulders of Giants - Herman A. Barnett, MD. Anesthesia History Association/ American Society of Anesthesiologists (ASA) Headquarters, Schaumburg, Illinois, USA, April 27, 2024.

Wyatt-Thompson KE. LDN for chronic pain states: The Perioperative Conundrum. ASA, Philadelphia, Pennsylvania, USA, October 20, 2024.

Wyatt-Thompson KE. Low Dose Naltrexone for Pediatric Pain States. Georgia Society of Anesthesiologists Conference, Atlanta, Georgia, USA, July 12, 2024.

Wyatt-Thompson KE. Anesthesiology Career Pathways. UT of Austin University Leadership Network, Austin, Texas, USA, February 14, 2024.

Wyatt-Thompson KE. Low dose Naltrexone: The Perioperative Implications in Pediatric Patients. Texas Society of Anesthesiologists, San Antonio, Texas, USA, August 8, 2024.

Wyatt-Thompson KE. STEM and Medicine. Golden Ratio Robotics - Chicago IL, Chicago, Illinois, USA, August 22, 2024.

Wyatt-Thompson KE. Sickle cell disease: to infinity and beyond. SPPM genera session panelist, Anaheim, California, USA, April 11, 2024.

Wyatt-Thompson KE. The infraclavicular nerve block. SPPM, Anaheim, California, USA, April 11, 2024.

Yamani AN. This is the way: A practical approach to LMA use in adenotonsillectomy. SPA 2024, Anaheim, California, USA, April 12, 2024.

Zamorano OD. Curriculum Mapping Interprofessional Anesthesia Simulations to the IPEC 2023 Core Competencies. International Pediatric Simulation Society Conference (IPSSW 2024), Denver, Colorado, USA, May 9, 2024.

Zamorano OD. Interprofessional Anesthesia Simulation Models Real-Life Practice. International Pediatric Simulation Society Conference (IPSSW 2024), Denver, Colorado, USA, May 9, 2024.

Zamorano OD. Navigating Difficult Conversations: A Simulation Roadmap. International Pediatric Simulation Society Annual Conference (IPSSW 2024), Denver, Colorado, USA, May 8, 2024.

2024 Grants

Funder	PI	Start Date	End Date	Total Funds	Approved, awaiting funding
National Institutes of Health (NIH)	Adler	11/16/23		\$309,905	●
National Institutes of Health (NIH)	Adler	11/16/23		\$413,269	●
National Institutes of Health (NIH)	Andropoulos	2/22/24		\$101,516	●
National Heart, Lung, and Blood Institute (NHLBI)	Chandrakantan	12/13/23		\$149,667	
American Academy of Sleep Medicine Foundation	Chandrakantan	6/26/23		\$45,496	●
Additional Ventures	Easley	2/19/24		\$31,801	●
National Institute of Child Health and Human Development (NICHD)	Otu	10/18/23		\$0	
Smarttots	Shields	6/13/24		\$0	
Smarttots	Shields	8/23/24		\$8,000	

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