A MESSAGE FROM THE ANESTHESIOLOGIST-IN-CHIEF:

TCH PEDIATRIC ANESTHESIOLOGY IN 2015-16: PROGRESS AND GROWTH

Significant changes are occurring in the Department of Pediatric Anesthesiology at TCH, and I am excited to write about the progress and growth that have occurred since the last edition of The Anesthesia Record. First, with the ongoing growth and development of the Department, we promoted Dr. Steve Stayer to Associate Anesthesiologist-in-Chief for Clinical Affairs, and Dr. Blaine Easley to Associate Anesthesiologist-in-Chief for Academic Affairs. Steve has been at TCH for 17 years, and in a major leadership role as Associate Chief of Anesthesiology for the past 11 years. Blaine was recruited from Johns Hopkins in 2010 and has demonstrated major leadership in education, research, and in developing critical care in the Department. These promotions allow more effective leadership with significant growth to more than 90 anesthesia providers on the faculty, and with the addition of 28 more this coming year. Please see the article below for more details about this important new leadership initiative. The addition of a new Division of Non-Operating Room Anesthesia, led by Dr. Kat Campbell, also signifies the importance of this area of our practice, which encompasses one third of our anesthetics.

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UPCOMING EVENTS

Congenital Cardiac Anesthesia Society Meeting
March 31, 2016
Colorado Spring, Colorado

Society for Pediatric Pain Medicine Annual Meeting
March 31, 2016
Colorado Spring, Colorado

Society for Pediatric Anesthesia Spring Meeting
April 1-3, 2016
Colorado Spring, Colorado

TCH Anesthesiology Department Reception at SPA
April 2, 2016
6pm – 8pm
Colorado Spring, Colorado

Society of Cardiovascular Anesthesiologists 38th Annual Meeting
April 2-6, 2016
San Diego, California

Leadership Retreat
April 7, 2016
3:30pm – 9pm

Faculty Retreat Dinner
April 22, 2016
6pm – 9pm

Faculty Retreat
April 23, 2016
7:30am – 5pm

TCH 6th Annual Edmond T. Gonzalez Jr. Surgical Research Day
May 6, 2016
The Department of Pediatric Anesthesiology recently made some significant organizational changes, promoting two faculty members to Associate Anesthesiologist-in-Chief and creating a new division dedicated to non-operating room anesthesia.

Dr. Steve Stayer was named Associate Anesthesiologist-in-Chief for Clinical Affairs and Dr. Blaine Easley was made Associate Anesthesiologist-in-Chief for Academic Affairs.

In Stayer’s new role, he will have authority over all aspects of clinical care delivery across all divisions and campuses, both inside, and out of the operating rooms. He will focus on coordinating and improving all aspects of care in our increasingly complex system, including oversight of safety, quality, patient experience, staffing, efficiency, and value. He also will continue to serve as the Medical Director of Perioperative Services.

“Steve has been a long-serving and valued member of the department’s leadership team,” said Anesthesiologist-in-Chief Dr. Dean B. Andropoulos. “Under his leadership, our clinical enterprise has thrived, and given the explosive growth in geography, personnel and complexity, Steve’s leadership of our clinical endeavors has never been more important.”

In Easley’s new role, he will grow and improve our academic programs, including our processes for faculty development/promotion, expanding/improving our fellowship programs, and growing and developing a comprehensive research effort. He also will continue to serve as Director of the Division of Anesthesia Critical Care.

“Blaine is a proven academic leader who will do tremendous things in this new role,” Andropoulos said. “I am confident he will help our department achieve all of our aspirations and set the benchmark for pediatric anesthesiology academics in the nation.”

Directed by Kat Campbell, the new Division of Non-Operating Room Anesthesia (NORA), recognizes that NORA is an increasing part of our clinical practice, with more than 12,000 of our 40,000 plus anesthetics delivered outside the operating room and on an increasingly complex and ill patient population.

“Kat has done an outstanding job organizing this service for the last several years and her promotion to Division Director is well deserved and will facilitate continued growth of this area of our practice,” Andropoulos said. “Please join me in congratulating Kat on her new leadership role.”
The Woodlands Campus of Texas Children’s Hospital: A Unique Opportunity

Progress is significant on the building of the Woodlands Campus, which is planned to open for outpatients in October 2016, and for inpatients and operating room procedures in April 2017. TCH’s second community pediatric hospital, upon opening will have 78 beds, including 50 pediatric ward beds, and 28 beds for intensive care, including both neonatal and pediatric ICU patients. Four operating rooms and 3 additional anesthetizing locations in Radiology and Special Procedures will open at that time, and TCH Pediatric Anesthesiology will deploy 4 Pediatric Anesthesiologists and 3 Pediatric CRNAs on a daily basis upon opening. To accomplish this, 8 physician full time equivalents and 6 CRNA FTEs will be recruited to the department. We anticipate that the Woodlands campus will be very busy from the day its doors open because of the large number of children in the immediate community, and the desire for high quality medical care from TCH close to home. The Woodlands will present unique challenges because of its distance from the Main Campus: 35 miles. Because of this, we believe there will be significant interest in anesthesia providers who choose to spend a majority of their time at the Woodlands will desire to live in or near the community. The Woodlands is a thriving suburban community of 110,000 residents, famous for its master planned features, as well as abundant trees, greenery, and open spaces, as well as bike and hiking paths and trails. The community has excellent public and private schools, a number of businesses, and increasingly, a selection of shopping and restaurants that will be appealing to residents.

The Woodlands Groundbreaking ceremony

Faculty Recruitment Update

From Kelly Crumley, Practice Administrator

The demand for our ever-growing Pediatric Anesthesiology service is on the rise! Recruitment efforts for 15 additional physician faculty and 10 additional CRNAs are underway to support significant growth in the TCH system. This rapid growth is a result of opening our second community pediatric hospital in the Woodlands, Texas, expansion at our West Campus, and the development our new CareFirst inpatient tower on the TCH Main Campus. With the help of our departmental recruitment task force, CVs of interested candidates are reviewed on a bi-weekly basis and decisions are made on interviewing for those considered a best fit for our open positons. We have had great success with marketing our recruitment efforts and drawing top talent to our program. Thus far, we have extended offers to four very talented and highly motivated physician candidates and nine CRNA candidates. The overwhelming interest in joining our Pediatric Anesthesiology team is representative of our department’s daily commitment to the highest quality of work. I am proud of the effort our department has dedicated to building a team of top talent, but mostly I share in the pride of our department’s reputation for excellence. This certainly is an exciting year to be part of Pediatric Anesthesiology at Texas Children’s Hospital!
Dr. James Fehr was the Department of Pediatric Anesthesiology Visiting Professor for 2015. His visit to Texas Children's Hospital served as a “homecoming”. Though he graduated medical school at the University of Michigan, he attended and completed his residency in Medicine and Pediatrics at Baylor College of Medicine 1993. Upon graduation, he completed an additional residency in Anesthesiology and fellowship in Pediatric Anesthesiology and Pediatric Critical Care at Johns Hopkins Hospital which he completed in 1998. He currently is an associate Professor of Anesthesiology and Pediatrics at Washington University/St. Louis Children’s Hospital and attends as a cardiovascular anesthesiologist and intensivist. He is also Director of Simulation at the Saigh Pediatric Simulation Center at St. Louis Children’s Hospital where they provide simulation-based training to over 3500 participants per year. He has been funded by the NIH and the Foundation of Anesthesia Education and Research to evaluate the impact of simulation on medical knowledge and clinical performance. During his visit he met with faculty in the Departments of Pediatrics and Anesthesiology. On December 8, 2015 he provided our visiting professor lecture entitled “Pediatric Simulation” where he shared his experiences over the past 5 years as director of simulation for the Children’s Hospital as well as the potential of simulation-based research in education and clinical competency. During his visit he spoke with the pediatric anesthesiology fellows and various leaders how we can continue to grow and develop our pediatric anesthesiology simulation programs at Texas Children’s Hospital on team communication, education and quality improvement programs that ultimately work towards the mission of improving the safety and quality of perioperative care to children.
The Simulation Program within the Department of Anesthesiology at Texas Children’s Hospital is expanding at a rapid rate. We currently facilitate 2 programs yearly at the TCH Simulation Center, one in the fall over 2 days and another in the spring over 3 days, which consist of basic and advanced topics for the anesthesiology fellows, OR nurses, PACU nurses, GIPS nurses, and anesthesia technicians (Figure 1).

In addition, many of the faculty members have already participated in the newly introduced in-situ sessions within the PACU and Main Operating Rooms; these spontaneous sessions contains learners from many categories including anesthesiologists, surgeons, nurses, technicians and patient care assistants (Figure 2). In-situ medical simulation is a type of educational activity that involves immersion of clinicians into realistic patient care situations within their real environment using high tech mannequins. Medical management of a patient in a high risk clinical situation occurs followed by a structured debriefing led by a simulation trained instructor.

The topics selected for the simulation scenarios are selected due to many factors including past adverse events, near-misses, surveys, content outlines, and expert consensus. Analysis has suggested our current attention be focused on issues related to effective team performance during a medical crisis (Crisis Resource Management) and appropriate medical knowledge during a pediatric resuscitation (Pediatric Advanced Life Support). All simulation scenarios have a topic mixture of medical knowledge (i.e. SVT), team performance (i.e. role assignment), and professionalism (i.e. managing the uncooperative parent at the bedside).

The Medical Simulation Program within the Department of Anesthesiology at Texas Children’s Hospital has instructors specifically trained in medical simulation; many of the instructors are also Pediatric Advanced Life Support Instructors. Physician instructors within our Program are colleagues within the General as well as the Cardiac Divisions. Equally important, we have several nursing instructors from the main operating room, PACU, and the TCH Simulation Center. This blend of perioperative colleagues allows us the opportunity to develop simulation scenarios that are realistic and relevant as well as the identification of perioperative system-based issues.

Recently, I was appointed as an Associate Medical Director of the TCH Simulation Center. This new position will allow the Medical Simulation Program within the Department of Anesthesiology at Texas Children’s Hospital to receive additional continued support to expand even further into additional locations within the perioperative environment (i.e. CV, PFE, WC) as well as within the entire hospital system (i.e. PICU, Emergency Department). On behalf of the entire simulation team, I would like to personally thank all of the perioperative leaders, simulation instructors, and the TCH Simulation Center as well as the entire group of perioperative physicians and staff for your continued support of the Texas Children’s Hospital, Department of Anesthesiology, Medical Simulation Program.
UPDATES FROM OUR NEWLY FORMED PAIN DIVISION

The newly formed pain division at Texas Children’s has undergone tremendous change in the last few months. January 2016 marks the one year anniversary of the chronic pain clinic, an accomplishment that we are quite proud of. Over the next 12 months we will focus on recruiting individuals with expertise in chronic pain to expand our clinic days, as well as improving the operational efficiency of the chronic pain clinic and inpatient pain service. Lastly and most importantly, we wish to nurture our existing pain team through enhanced educational opportunities. We are hopeful that the next twelve months will be productive, positive and transformative.

Grace Kao, Outpatient Pain Clinic Director

Nihar Patel, Inpatient Pain Service Director

PAIN MEDICINE CLINIC UPDATE

The Pain Medicine Clinic is quickly growing and has surpassed the benchmark of over 100 new patients seen! Pain Clinic now offers valuable new services, including biofeedback and acupuncture, in addition to pharmacological management, procedural interventions, and pain psychology. From a hospital-wide perspective, the team has also worked to promote a truly multidisciplinary approach by coordinating regular meetings with key referring services to better serve our most complex patients. In looking to the future, team members have undertaken several projects to enhance clinical work, such as website development, creation of a pain cart and partnership with sedation services. We continue to be grateful for your ongoing support!

INPATIENT PAIN SERVICE UPDATE

The Division of Pain, under its new interim leadership structure with newly appointed Division Director Caro Monico and is restructuring its Inpatient Pain Service. With Nihar Patel serving as the interim Inpatient Pain Service Director, they have undertaken the task of refining the daily processes of the various members of the multidisciplinary service, including the attending physicians, advanced practice nurses, nurse coordinator, fellows, psychologists and on-call residents. The aim is a more efficient care model that will service the needs of our patients requiring advanced pain control methods. One of the more exciting endeavors is the creation of a core didactic series for the fellows rotating through the service. In addition to their daily clinical care rounds, the Pain Service Attendings will be conducting daily bedside didactics as well as formal presentations on predetermined curricula encompassing the varied facets of pain control.

MEETING SUMMARY

ANNUAL SOCIETY FOR PEDIATRIC ANESTHESIOLOGY (SPA) 2015

The SPA 29th Annual Meeting – 2015 was held at the Manchester Grand Hyatt in San Diego, California on Friday, October 23, 2015 and the Faculty of Texas Children’s Hospital Department of Pediatric Anesthesiology were noticeably present in all aspects of the meeting. Under the guidance of program chair, Nina Deutsch, MD (Children’s National Medical Center), the program focused on complicated clinical issues that require anesthetic management.

The major sessions were transfusion, trauma and traumatic brain injury, emerging pathogens, and infectious disease. Ken Brady, MD (TCH) served as moderator of the session on trauma and traumatic brain injury.

Additional faculty participated in PBLD’s. Titilopemi Aina, MD, MPH (TCH) co-wrote and moderated “Post-tonsillectomy hemorrhage in the challenging airway.

YIKES!!!”; and Dean Andropoulos, MD (TCH) served as guest moderator for “Bariatric Surgery in a Pediatric Cardiomyopathy Patient: The Ethical Dilemma of Pre-Transplant Optimization”. Other interesting talks from notable speakers were Philip C. Spinella, MD (St. Louis Children’s Hospital) - “Transfusion Medicine - Lessons Learned from the Front”; David Shellington, MD (Rady’s Children’s Hospital) - “Pediatric Trauma-Damage Control Resuscitation” and David Weber, MD, MPH (University of North Carolina Hospitals) - “Emerging Pathogens: Ebola and Respiratory Viruses (Enterovirus D68, MERS, Animal Influenza)”. And finally the SPA LIFETIME ACHIEVEMENT AWARD was given to William J. Greeley, MD, MBA (Children’s Hospital of Philadelphia). Also of note, was the TCH exhibit booth with prominent poster “We are hiring” that was organized by our administrators Sara Sommers and Kelly Crumley.
ANESTHESIOLOGY 2015 was held in San Diego, California, October 24-28, 2015. The annual meeting of the ASA immediately followed the Friday, SPA meeting. Again, Texas Children’s Hospital (TCH) was well represented with 16 faculty members participating in Problem Based Learning Discussion (PBLDs), Clinical Forums, Poster Presentations and Poster Discussions. The PBLD sessions were as follows:

**David Young, MD, MEd, MBA (TCH)** wrote and moderated two PBLD’s entitled, “The Use of Advanced Trauma Life Support in the Perioperative Environment to Manage a Pediatric Trauma Patient” AND How to Develop an Effective Strategy to Give Bad News to a Parent” and “How to Utilize Pediatric Advanced Life Support and Crisis Resource Management Principles for Effective Resuscitation of the Pediatric Patient With WPW Syndrome Within the Perioperative Environment.”

**David Mann, MD (TCH)** wrote and moderated two PBLD’s entitled, “He’s 15, needs this operation and he’s DNR!” and “Anesthesia for a Hypoplastic Left Heart Syndrome Parturient.”

**Posters Presentations**

A Spaced Learning Initiative for Pediatric Anesthesiology Trainees. **Chris Glover, M.D., Kim Phuong Nguyen, M.D., Rahul G. Baijal, M.D., Yang Liu, M.D., Kenneth L. Wayman, M.D., Thomas L. Shaw, M.D., Nihar V. Patel, M.D.**


Predicting Blood Volume Loss Using Tranexamic Acid in Pediatric Craniofacial Surgery: A Single Center Cohort Study. **Henry Huang, M.D., Leif Peterson, Ph.D., Kim Phuong Nguyen, M.D., Joel C. Mathews, Student, Mehernoor Watcha, M.D., Chris Glover, M.D.**

Management of Hemoptysis in a Child With Failing Fontan. **Ma Luo, M.D., Emad B. Mossad, M.D.**

Anesthetic Management in a Neonate With Large Neck Mass. **Megan Koudelka, C.R.N.A., Stephen Stayer, M.D., Yang Liu, M.D.**

**Lisa Caplan, MD (TCH)** wrote and moderated, “Getting Stuck in a Tight Place! Anesthetic Management of Acute Mitral Stenosis.”

**Catherine Seipel, MD (TCH)** wrote and moderated, “Tonsillectomy and Adenoidectomy in a Child with Down Syndrome: More To It Than You Think!”

In the pediatric anesthesia education track of the meeting, **Chris Glover, MD (TCH)** served as faculty and speaker on “Acute Pain Management” for the clinical forum, “Is there a Pediatric Consultant in the House? - a consultant model for the pediatric perioperative surgical home.” **R. Blaine Easley, MD (TCH)** served as faculty and session moderator for the clinical forum, “The Pediatric Checklist Manifesto”. TCH faculty had 8 original abstracts selected for poster presentation at the meeting. Topics included medically challenging cases, clinical studies, and an educational study. In the two pediatric poster discussion sessions, TCH investigators were responsible for 3 of the 16 posters selected.

**Posters Discussions**

A Randomized Comparison of Ultrasound Guided Supraclavicular Block to IV Narcotics for Postoperative Pain Relief in Children With Supracondylar Fractures. **Chris Glover, M.D., Nihar V. Patel, M.D., Henry Huang, M.D., Jonathan Guzman, B.A., Yang Liu, M.D., Eduardo Medelin, B.S., Kim Phuong Nguyen, M.D., Scott Rosenfeld, M.D., Thomas L. Shaw, M.D., Mehernoor Watcha, M.D.**

Single-Dose Methadone on Pain Control and Morphine Consumption After Surgical Repairs of Pediatric Idiopathic Scoliosis: A Single Center Retrospective Case Control Study. **Kim Phuong Nguyen, M.D., Henry Huang, M.D., Nihar V. Patel, M.D., Michael B. Zelisko, M.D., Joseph Hagan, Ph.D., Mehernoor Watcha, M.D., Chris Glover, M.D.**

Association Between Dexmedetomidine Use and Increased Intraoperative Urine Output in Pediatric Spine Surgeries: A Retrospective Cohort Study. **Henry Huang, M.D., Shelia M. Rajashekara, M.D., Joseph Hagan, Ph.D., Claudia Wei, Student, Nihar V. Patel, M.D., Chris Glover, M.D., Mehernoor Watcha, M.D, Kim Phuong Nguyen, M.D.**
Kathleen Chen, MD, completed her Bachelor of Science degree in Electrical Engineering and Biomedical Design from Tufts University in Medford, MA in 2002. She then continued her education with a Master of Science degree in Biomedical Engineering in 2003. Dr. Chen attended Tufts University, School of Medicine in Boston, MA where she earned her Medical Doctor diploma in 2007. She was an intern in the Department of Anesthesiology at New York Presbyterian, Weill Cornell in New York, NY from July 2007 through June 2008. She was then a Resident in Anesthesiology at New York Presbyterian, Weill Cornell in New York, NY from July 2008 to December 2008. She then completed Anesthesiology Residency training in the Department of Anesthesiology, Perioperative and Pain Medicine, Clinical Fellow in Anesthesia at Harvard Medical School, Brigham and Woman’s Hospital, in Boston, MA in July 2011. Dr. Chen then completed Pediatric Anesthesiology Fellowship at Harvard Medical School, Boston Children’s Hospital in Boston, MA in September 2012.

Molly Durel, MSN, CRNA, earned a Bachelor of Science Degree in Kinesiology from Texas A&M University, College Station, Texas in 1998. She then obtained her Bachelor of Science in Nursing Degree from Houston Baptist University, here in Houston, Texas in 2003. She graduated with Honors, Magna Cum Laude. Ms. Durel continued her education at The University of Texas Health Science Center where she obtained her Master of Science in Nurse Anesthesia in May 2012.

Rhonda Martone, MSN, CRNA, obtained a Rehabilitation Services Diploma from Mount Royal College, in Calgary, Alberta, Canada in December 1991. She then received a Bachelor of Science in Nursing degree from the University of Texas at Arlington, Arlington, Texas in December 2005. Ms. Martone continued her education at the University of Pittsburgh, Nurse Anesthesia Program where she earned her Masters of Science in nursing degree in 2011.

Megha Kanjia, MD, completed her Medical Doctor diploma in 2009, from St. George University School of Medicine in Grenada, West Indies. She then completed Anesthesiology Residency training in the Department of Anesthesiology, at University of Arkansas for Medical Sciences in Little Rock, Arkansas.

Brian Tinch, MD, completed his Medical Doctor diploma in 2004, from the Mercer University Medical School in Macon, GA. He then completed a Pediatric Residency at Duke University Medical Center in Durham, NC. In 2011, Dr. Tinch completed a Pediatric Critical Care Fellowship, followed by an Anesthesia Residency in 2014 at the Brigham and Women’s Hospital in Boston, MA and a Pediatric Anesthesia Fellowship in 2015 at Boston Children’s Hospital in Boston, MA. Dr. Tinch’s areas of interest are Anesthesia Critical Care and Nitric Oxide Research.

Jeffrey Widelitz, MD, completed his Medical Doctor diploma in 2006, from Drexel University College of Medicine in Philadelphia, PA. In 2007, he then completed a General Surgery Internship at Temple University Hospital in Philadelphia, PA. Dr. Widelitz completed his Anesthesiology Residency in 2010 at Yale-New Haven Hospital in New Haven, CT and a Pediatric Anesthesia Fellowship in 2011 Children’s Hospital of Philadelphia in Philadelphia, Pennsylvania. Dr. Widelitz’s areas of interest are Pediatric Pain Management, Quality Improvement and Neonatal Anesthesia.
LEADERSHIP RETREAT UPDATE
From H. Mallory Caldwell, Senior Vice President

On October 29, the Texas Children’s Department of Pediatric Anesthesiology held our third semi-annual leadership retreat focusing on strategic planning for the Department and ongoing development of our leaders. Attending the retreat were members of the Executive Council as well as our EVP, Randy Wright, Surgeon-in-Chief, Chuck Fraser, and Jim Smalley from Organizational Development. In our first retreat of the series (held approximately one year ago), the Executive Council adopted a set of priority strategic initiatives for 2015. Those strategic priorities included, among other things, Perioperative Surgical Home, further development of the Pain Division, clinical informatics, Department governance, and faculty/leadership development. We are pleased that in the year that has followed since that initial retreat, we have made great progress on each of these initiatives.

In the most recent retreat earlier this fall, the Executive Council team gathered together again to review progress on the priority initiatives and to set new/updated goals for 2016. In this retreat we focused on cascading goals from leadership. Not only did this exercise help us establish meaningful targets for the year, it was a further investment in our ongoing priorities to build strong governance mechanisms and to build leadership skill.

We are currently following a process to cascade the leadership goals throughout the Department to all faculty divisions and committees. You won’t be surprised to learn that the goals include a number of key themes including growth of the Department, optimization of both quality and efficiency, continuous improvement in the experience that we provide to both our patients and our faculty/staff, and strong stewardship of our financial resources. Also included as a part of the retreat was a hands-on leadership development course about effective meetings, which was expertly facilitated by Jim and Terrie from Organizational Development.

Our intent is to continue the pattern of setting and reviewing goals on a semi-annual basis to ensure steady progress in the ongoing development of our Department. We have scheduled our next leadership retreat for April 2016.

THE IMPORTANCE OF CRNAS TO THE CLINICAL MISSION OF THE DEPARTMENT
From Sara Laqua R.N,M.S.N,C.R.N.A, Director of Nurse Anesthesia

Our Department of Pediatric Anesthesiology provides anesthesia in the largest children’s hospital in America. Greater than 3 million patient encounters occur at Texas Children’s Hospital annually, including nearly 40,000 anesthetics in 45 locations. The anesthesia care team model with Certified Registered Nurse Anesthetists (CRNAS) and physicians ensures clinical services are feasible day-to-day, and that patients are not delayed care due to lack of skilled and safe anesthesia providers.

Nurse anesthetists have provided compassionate, cost-effective, and safe anesthesia since the Civil War. The contributions of CRNAS in our department began in 2005, with the addition of Saeed Yacouby, DNP, CRNA. His efforts to advance our professional practice has paved the way for our CRNA faculty to work in every phase of anesthesia care. Our group of 24 CRNAS are essential in both the Cardiovascular and General Divisions, and community and main campuses. The range of care CRNAS provide spans from facilitating timely preoperative assessment, teaching and consent in fast-paced off-site locations to 1:1 coverage of the sickest patients in the cardiovascular operating rooms. The addition of more CRNAS will help our team balance the growing clinical and academic needs of our department.
FIRST PEDIATRIC ANESTHESIOLOGY FELLOWS’ QUALITY IMPROVEMENT LECTURE SERIES
From Imelda Tjia, MD Director of Quality & Outcomes

Many Pediatric Anesthesiology Fellows have different experiences with Quality Improvement. Part of the fellows’ curriculum is to complete the Institute for Healthcare Improvement (IHI) online modules as an introduction to Quality Improvement. Often times the fellows also decide to participate in an ongoing Quality Improvement project during his or her fellowship training.

This year, many QI enthusiasts who have completed the Advanced Quality Improvement training, sponsored by Texas Children’s Hospital, volunteered to offer a Pediatric Anesthesia Fellows’ QI Lecture Series. The lecture series consisted of presentations and discussions of quality improvement concepts and methodology as well as applied learning exercises of the quality improvement tools. The series was offered to enhance the mandatory IHI online quality improvement education and give real life examples of successful QI projects. Anesthesiology faculty interested in Quality Improvement were also invited and attended the lecture series. The lecture series was designed to be informative, educational and fun.

Many thanks to all who were involved in the education of our fellows in quality improvement: Matthew James, Katrin Campbell, Emad Mossad, Toni Felberg, Julia Chen, Rahul Baijal, Amber Rogers, Kalyani Govindan, Erin Gottlieb, Julie Nicholson, and Imelda Tjia. Special thanks to Davelyn Smith for her help.

Feedback from the fellows showed that the lecture series was helpful and the sessions enjoyable. The Department of Pediatric Anesthesia is confident that the fellows’ enthusiasm and innovative ideas will add to our efforts toward Quality Improvement and safe patient care.

Five members from the Department of Pediatric Anesthesiology graduated from the Texas Children’s Advanced Quality Improvement course. The team completed a quality improvement project that reduced cryoprecipitate waste and enhanced goal-directed therapy in the cardiovascular operating rooms.

From left: Sara Sommers, MBA, Erin Gottlieb, MD, Matthew James, MD, Julie Nicholson, RN, Amber Rogers, MD, Dani Gleason, JD, Mark Mullarkey, MBA

TELEASHIOLOGISTS WRITE LEADING TEXTBOOK IN PEDIATRIC CARDIOVASCULAR ANESTHESIOLOGY

Anesthesiologist-in-Chief Dr. Dean Andropoulos and several members of his medical staff helped write and edit the recently published Anesthesia for Congenital Heart Disease, 3rd Edition. The textbook is the leading reference source for the field, and since the first edition was published in 2005, readership has increased significantly around the world.

The new edition contains 32 chapters, more than 800 pages, and for the first time is in full color. The book also comes with full electronic access to the text, which covers the entire field of anesthesia for congenital heart disease. New chapters addressing pulmonary hypertension and anesthetic neurotoxicity have been added and all chapters have been thoroughly updated.

“It was a privilege to be part of the creation of this very important text,” Andropoulos said. “It will be used by many for the betterment of this sector of our field.

The Department of Pediatric Anesthesia is confident that the fellows’ enthusiasm and innovative ideas will add to our efforts toward Quality Improvement and safe patient care.”
In 2015-16, TCH Pediatric Anesthesiology will recruit 12 Pediatric Anesthesiologists, and 16 Pediatric CRNAs. This enormous recruitment is unprecedented in the history of our Department, and has necessitated creation of a Faculty Recruitment Task Force, to organize the vetting of candidates for interview, the interview process itself, the evaluations, and organize the faculty job offers that are made. 8 of the MD, and 6 of the CRNA FTE’s needed will be for staffing of the Woodlands campus, opening April 2017. 2 are for growth at West Campus, and 2 are for Main Campus growth including Pain Medicine. Online advertisement on the Society for Pediatric Anesthesia website, and the Pediatric Anesthesia Leadership Council listserv, as well as our booth at the Society for Pediatric Anesthesia annual meeting in San Diego in October, have been overwhelmingly successful, resulting in 75 inquiries for the physician jobs. Please see the accompanying article—many thanks and kudos to Kelly Crumley, Practice Administrator, and Sara Sommers, Senior Project Manager, for organizing this huge effort. Thanks also to Sara Laqua, R.N.,M.S., C.R.N.A. Lead CRNA, for tireless recruitment efforts; she has attended several national CRNA meetings for recruitment.

The Woodlands Campus building program is making rapid progress; and recruitment for anesthesia providers, both from existing faculty, and new outside faculty, is a major priority. On Saturday November 21, 9 existing faculty, and one outside faculty interviewee had a tour of the Woodlands construction, and the Woodlands community; the article below gives more details about the Woodlands Campus, and the tour.

Finally, as our Department grows, and adds so many new faculty, staff, and their families, the opportunity to get together socially is very important to maintain the sense of community and culture that is so evident as we work together every day. I am very much looking forward to our Post-Holiday Party on January 8th at the Houston Zoo, where the Zoo Lights will provide a spectacular backdrop for our faculty, spouses, significant others, and children—this will be a fun, pleasant evening to celebrate 2015 together, and look forward to all of our great accomplishments in 2016.

THOSE IN THE TEXAS CHILDREN’S ANESTHESIOLOGY DEPARTMENT WHO CONTRIBUTED TO THE EFFORT INCLUDE:

Dr. Dean Andropoulos, *Editor-in-Chief*
Dr. Stephen Stayer, *Editor*
Dr. Emad Mossad, *Editor*
Dr. Wanda Miller-Hance, *Editor*
Dr. Rahul Baijal
Dr. Ken Brady
Dr. Lisa Caplan
Dr. Blaine Easley
Dr. Pablo Motta
Dr. David Vener
Dr. Erin Gottlieb
PROFESSIONAL PRESENTATIONS AND PUBLICATIONS

Kenneth Brady, MD presented a lecture titled, “Big Data: Predictive Analytics and Decision Support at Texas Children’s Hospital”, at Johns Hopkins Hospital, Department of Anesthesiology Grand Rounds, in Baltimore, Maryland.

Wanda C. Miller-Hance, MD was an invited speaker at the American Society of Echocardiography 27th Annual Scientific Sessions in Boston, Massachusetts. Dr. Miller-Hance gave a talk entitled, “Children Are Not Little Adults: Valuable Transesophageal Echocardiogram Pointers in Congenital Heart Disease”. Dr. Miller-Hance was also an invited session moderator for a session titled, “Transesophageal Echocardiogram in Pediatric and Congenital Heart Disease.

Erin Williams, MD presented a talk at the Integrated Problem Solving medical student course at Baylor College of Medicine.

ACCREDITATION/AWARDS/RECOGNITION

R. Blaine Easley, MD, Associate Professor, Baylor College of Medicine, Division Director for Anesthesia and Critical Care, Texas Children’s Hospital has been named the Medical Director of the Surgical Intensive Care Unit services at Texas Children’s Hospital by Dr. Lara Shekerdemian, MD, MHA, FRACP, Section Head, Pediatric Critical Care, Texas Children’s Hospital, Vice Chair of Clinical Affairs & Professor of Pediatrics, Baylor College of Medicine. Dr. Easley will join the Intensive Care Unit leadership team as Anesthesiology continues in a multidisciplinary effort with the Section of Critical Care Medicine and the Department of Surgery to care for critically ill post-operative patients. You will soon be hearing about the exciting details of the new Surgical Recovery Unit which opens July 6th. Blaine will join the ICU leadership team as we all plan together for our future Surgical and ICU services in Pediatric Tower E of the Care First project.

PROGRESS TOWARD GOALS/OBJECTIVES

The Department rolled out a new governance structure with four new divisions. The new structure includes divisions and Division Directors:

- General Anesthesia, Thomas Shaw, MD
- Cardiovascular Anesthesia, Emad Mossad, MD
- Community Anesthesia, Chris Glover, MD
- Anesthesia Critical Care, R. Blaine Easley, MD

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• Pain Medicine, TBD
• Anesthesia Research, Kenneth Brady, MD

The Directors will all report up through the Associate Chair, Steve Stayer, MD, and from there to Dean Andropoulos, MD, Anesthesiologist-in-Chief. This structural change will help to emphasize the Department’s many specialties and areas of strategic focus.

PROFESSIONAL PRESENTATIONS AND PUBLICATIONS

Titilopemi Aina, MD presented a lecture titled “Respiratory and Cardiovascular Anatomy to Anesthesiology” at the Anesthesiology Resident Lecture Series on July 20, 2015.

Kenneth Wayman, MD presented a Practice Based Learning Discussion titled, “Anesthesia for the Child with Upper Respiratory Infection” at the Department of Pediatric Anesthesiology Fellows Lecture Series on July 27, 2015.

Catherine Seipel, MD presented a Practice Based Learning Discussion titled “Neonatal Surgical Emergencies” at the Anesthesiology Resident Lecture Series on July 27, 2015.

Premal Trivedi, MD taught a Difficult Airway Workshop to Pediatric Anesthesiology Fellows on July 23, 2015.

ACCREDITATION/AWARDS/RECOGNITION

R. Blaine Easley, MD was awarded the Teacher of the Broken Hearts Award. This award was based on a vote by the Anesthesiology fellows in the Baylor College of Medicine Department of Anesthesiology.

Premal Trivedi, MD was awarded the Fellow’s Choice Award. This award was based on a vote by the Anesthesiology fellows in the Baylor College of Medicine Department of Anesthesiology.

SITE VISITS/TOURS

Drs. Steve Stayer and Emad Mossad visited Lurie Children’s Hospital and UCSF Benioff Children’s Hospital. They toured both campuses to get ideas for surgical floor layouts and technology options for the planning of the new pediatric tower.

September 2015

PROFESSIONAL PRESENTATIONS AND PUBLICATIONS

Colomb, Camille; Hippard, Helena Karlberg; Candadas K, Watcha, Mehernoor. A delayed finding of a Tracheal Cartilaginous Sleeve in a Patient with Pfeiffer Syndrome Type 2 and a Complex Airway History. Anesthesia Analgesia. 2015 Aug 1;12(3).


Erin Williams, MD, presented a lecture at the Integrated Problem Solving medical student course at Baylor College of Medicine on August 18, 2015.

Carlos Campos, MD presented a lecture titled, “Congenital Cardiac Anesthesia,” at the Department of Pediatric Anesthesiology Resident Lecture Series on August 24, 2015.

Carlos Campos, MD presented a lecture titled, “Congenital Pediatric Anesthesia,” at the Department of Pediatric Anesthesiology Resident Lecture Series on August 27, 2015.


Catherine Seipel, MD presented a lecture at the Integrated Problem Solving medical student course Baylor College of Medicine on August 10, 2015.

Nihar Patel, MD presented a lecture titled, “Pediatric Advanced Life Support Review,” at the Pediatric Anesthesiology Fellows Conference on August 11, 2015.

Titilopemi Aina, MD presented a Problem Based Learning Discussion titled, “Anesthesia for Premature Infants” to Pediatric Anesthesiology Fellows and Anesthesiology Residents on August 7, 2015.

ACCREDITATION/AWARDS/RECOGNITION

The Mentoring Program Subcommittee of the American Society of Anesthesiologists Committee on Professional Diversity recognized Olutoye Olutoyin, MD’s project, “Development of a Global Anesthesia education curriculum in Pediatric Anesthesia for American Board of Medical Specialties Pediatric Anesthesiology Fellows, and Non-Physician Anesthesia Providers in Lilongwe, Milawi”, on August 4, 2015. The goal of the program is to foster diversity within the American Society of Anesthesiologists through mentorship.

October 2015

PROGRESS TOWARD GOALS/OBJECTIVES

Pediatric Anesthesiology continues to grow at extraordinary strides in effort to meet the varying progression for anesthesia services throughout Texas Children’s Hospital main campus as well as at West Campus and The Woodlands campus. We have gained new leadership roles to help to facilitate the increasing development.

Stephen A. Stayer, MD has been promoted to the Associate Anesthesiologist-In-Chief for Clinical Affairs in the Department of Pediatric Anesthesiology. He has been a long-serving
and valued member of our leadership team, and our clinical enterprise has thrusted under his leadership. Dr. Stayer will continue to lead our clinical endeavors and his role is expanded to lead the new anesthetizing locations that are planned for West Campus, Woodlands, Main Campus, and The CareFirst Tower. He will have formal oversight authority over all aspects of clinical care delivery across all divisions and campuses, both inside, and out of the operating rooms. He will focus on coordinating and improving all aspects of care in our increasingly complex system, including oversight of safety, quality, patient experience, staffing, efficiency, and value. Dr. Stayer will continue to serve as the Medical Director of Perioperative Services.

R. Blaine Easley, MD has been promoted to Associate Anesthesiologist-In-Chief for Academic Affairs in the Department of Pediatric Anesthesiology. Dr. Easley will take the primary responsibility for our academic endeavors. He is a proven academic leader as he has successfully led the department’s education efforts with his role as Director of Education and the Pediatric Anesthesiology Fellowship Program. In this new role, Dr. Easley will have formal oversight responsibility to grow and improve our academic programs, including improving processes for faculty development/promotion, expanding/improving our fellowship programs, and growing and developing a comprehensive research effort (including, but not limited to, recruitment of basic science researchers, development of a research fellowship, and growth of our clinical research efforts).

We are pleased to announce the creation of a new Division of Non-Operating Room Anesthesia (NORA), directed by Katrin Campbell, MD. This important new division recognizes that NORA is an increasing part of our clinical practice, with over 12,000 of our 40,000+ anesthetics delivered outside of the operating rooms, in increasingly diverse and far-flung locations, for a greater variety of procedures such as magneto-encephalography, and on an increasingly complex and ill patient population. Dr. Campbell has done an outstanding job organizing this service for the last several years and her promotion to Division Director will facilitate continued growth in this area of our practice.

A strong leadership infrastructure is key as we embark on a heavy recruitment year for Pediatric Anesthesiology. A Recruitment Task Force has been assembled to focus on establishing efficient and effective recruitment of 28 highly skilled/trained and academically active Anesthesiologists and Certified Registered Nurse Anesthetists over this next year. We are excited about the immense growth this department will experience this year and the strong talent that Texas Children’s Hospital and Baylor College of Medicine are attracting.

PROFESSIONAL PRESENTATIONS AND PUBLICATIONS

Helena K. Hippard, MD presented at the Baylor College of Medicine, Department of Anesthesiology Grand Rounds on 9/9/15. The title of her presentation was, “Anesthesia Planning and preparation for the Separation of Conjoined Twins”. Attendees were faculty, fellows, residents and nursing staff from Department of Anesthesiology and Pediatric Anesthesiology.

Pablo Motta, MD presented a lecture titled, “Mechanical Ventilation”, at the Resident Lecture Series in the Department of Anesthesiology, Baylor College of Medicine on 9/23/15.

Pablo Motta, MD presented a lecture titled, “Cardiovascular Pharmacology”, at the Resident Lecture Series in the Department of Anesthesiology, Baylor College of Medicine on 9/28/15.

Erin Gottlieb, MD presented a lecture titled, “Autonomic Nervous System”, at the Resident Lecture Series in the Department of Anesthesiology, Baylor College of Medicine on 9/2/15.

Kenneth Wayman, MD presented a lecture titled, “Cardiac Arrest in a 4-day old: A Case Presentation”, at the Pediatric Anesthesiology Quality and Assurance Conference on 9/25/15.


David Vener, MD presented a talk titled “Quality Assurance” at the Pediatric Cardiovascular Anesthesiology Conference on 9/24/2015.

Premal Trivedi, MD presented a lecture titled, “Post-operative Seizure Following Left Ventricular Assist Device Placement” at the Pediatric Cardiovascular Anesthesiology Conference on 9/24/2015.

David Young, MD presented a lecture titled, “Perioperative In-Situ Simulation Program” at the Pediatric Anesthesiology Fellowship and Faculty Conference on 9/8/15.

Emad Mossad, MD presented a lecture titled, “Interventional Radiology Suite Efficiency Team Project” at the Pediatric Anesthesiology Quality Improvement Series.

David Young, MD was a moderator for the “Cardiac Cases” session at the Texas Society of Anesthesiologists 2015 Annual Meeting in San Antonio, Texas.

Priscilla Garcia, MD presented a lecture titled “Pro-Con Debate: Pro-Rapid Sequence Induction and Intubation” at the Texas Society of Anesthesiologists...
2015 Annual Meeting in San Antonio, Texas.

Stuart R. Hall, MD presented a lecture titled, “Patient with Indwelling Pacemaker for Hernia Repair” at the Texas Society of Anesthesiologists 2015 Annual Meeting in San Antonio, Texas.

Amber Rogers, MD presented a lecture titled, “Sedation Medications” at the Pediatric Emergency Medicine Fellows Simulation Day at Texas Children’s Hospital.

Emad Mossad, MD provided anesthesia services for two catheterization cases at the Texas Children’s Hospital Heart Center, which were broadcasted live at the Pediatric and Adult Interventional Cardiac Symposium in Las Vegas.

Olutoyin Olutoye, MD served as a moderator for the Pediatric Anesthesia Parallel Sessions at the Texas Society of Anesthesiologists 2015 Annual Meeting in San Antonio, Texas.

Olutoyin Olutoye, MD served as a moderator for the Pediatric Anesthesia Parallel Session: “Legal Affairs” at the Texas Society of Anesthesiologists 2015 Annual Meeting in San Antonio, Texas. The Legal Affairs session qualified for 1.25 CME hours of Ethics.

R. Blaine Easley, MD presented a lecture titled, “Perioperative Deep Venous Thrombosis in Children – Increased Incidence or Increased Awareness” at the Texas Society of Anesthesiologists 2015 Annual Meeting in San Antonio, Texas.

Jamie R. Wingate, MD presented a lecture titled, “Diabetes in the Surgical Patient” at the Pediatric Anesthesiology Resident Lecture Series on 9/3/15.

Nihar Patel, MD presented a Problems Based Lecture Discussion titled, “Epidurals” at the Pediatric Anesthesiology Resident Lecture Series on 9/10/15.

Thomas L. Shaw, MD presented a Problems Based Lecture Discussion titled, “Pediatric Neurotrauma” at the Pediatric Anesthesiology Resident Lecture Series on 9/28/15.

Lisa Caplan, MD presented a Problems Based Lecture Discussion titled, “Vein of Galen” at the Pediatric Anesthesiology Fellows Conference on 9/22/15.

David Young, MD presented a workshop titled, “Advanced Trauma Life Support” at Memorial Hermann Hospital. Attendees were from around the state of Texas.

Amber Rogers, MD presented a simulation workshop titled, “Simulation Sedation” at the Pediatric Emergency Medicine Fellows Simulation Day at Texas Children’s Hospital.

November 2015

PROFESSIONAL PRESENTATIONS AND PUBLICATIONS

Pediatric Anesthesiology faculty and administrative leadership met on October 29th, 2015 for their quarterly departmental leadership retreat. In-Chief, Associate-In-Chiefs, and Sr. Vice President FY16 goals were shared and reviewed with the leadership team. Each participant in the retreat was tasked with developing their own FY16 goals that aligned with the senior leaders of the department. As the objectives were developed, they were broken down into four main categories: Optimization, Outcomes, Innovation, and Experience. The focus of this exercise was to ensure all leadership goals are in alignment with one another so that we are working towards common goals. In addition to goal setting, we were able to partner with TCH Human Resources to fine tune our facilitation skills for meeting management. This training has proved to be a valuable resource for our leadership team that has enabled our leaders to run meetings effectively, suggestions for areas to focus on and affirmed the hospital’s current success in developing the surgical home.

PROFESSIONAL PRESENTATIONS AND PUBLICATIONS

Dean B. Andropoulos, MD presented a Problem Based Learning Discussion titled, “Bariatric Surgery in a Pediatric Cardiomyopathy Patient: The Ethical Dilemma of Pre-Transplant Optimization” at the Society for Pediatric Anesthesia 29th Annual Meeting on 10/23/2015 in San Diego, California.

Titilope Aina, MD presented a Problem Based Learning Discussion titled, “Post-tonsillectomy Hemorrhage in the Challenging Airway. YIKES!!!” at the Society for Pediatric Anesthesia 29th Annual Meeting on 10/23/2015 in San Diego, California.

Kenneth M. Brady, MD was a moderator for a session titled, “Trauma and Traumatic Brain Injury” at the Society for Pediatric Anesthesia 29th Annual Meeting on 10/23/2015 in San Diego, California.

Lisa A. Caplan, MD presented a Problem Based Learning Discussion titled, “Getting Stuck in a Tight Place: Management of Acute Mitral Stenosis” at the American Society of Anesthesiologists, Anesthesiology 2015 Annual Meeting in San Diego, California on 10/24/2015.

Dean B. Andropoulos, MD presented a lecture titled, “Point of Care: Novel Use of Ultrasonography in Everyday Pediatric Anesthesia Practice” at American Society of Anesthesiologists, Anesthesiology 2015 Annual Meeting on 10/24/2015 in San Diego, California.

R. Blaine Easley, MD was a moderator for a clinical forum titled, “The Pediatric Checklist Manifesto-Utilization of Pediatric Checklists to Improve Care and Safety”, at the American Society of Anesthesiologists, Anesthesiology 2015 Annual Meeting in San Diego, California, on 10/26/2015.

Emad B. Mossad, MD presented a poster titled, “Management of the Hemoptysis in a Child with Failing Fontan” at the American Society of Anesthesiologists, Anesthesiology 2015 Annual Meeting in San Diego, California, on 10/26/2015.


Ashraf Resheidat, MD presented a lecture titled, “ABO Incompatible (ABO1) Heart Transplantation” at the Department of Pediatric Anesthesiology, Pediatric Cardiovascular Anesthesia Conference to Pedi Anesthesia faculty and fellows on 10/29/2015.


Stuart R. Hall, MD presented a Problem Based Learning Discussion titled, “He’s 15, Needs This Operation, and He’s Do Not Resuscitate” at the American Society of Anesthesiologists, Anesthesiology 2015 Annual Meeting in San Diego, California, on 10/24/2015.

David Mann, MD presented a Problem Based Learning Discussion titled, “How to Utilize Pediatric Advanced Life Support and Crisis Resource Management Principles for Effective Resuscitation of the Pediatric Patient with Wolff-Parkinson-White Syndrome Within the Perioperative Environment” at the American Society of Anesthesiologists, Anesthesiology 2015 Annual Meeting in San Diego, California, on 10/24/2015.

Nihar Patel, MD presented a Problem Based Learning Discussion titled, “Paravertebral/Intercostal Blocks” at the American Society of Anesthesiologists, Anesthesiology 2015 Annual Meeting in San Diego, California, on 10/25/2015.