



Columbia Surgery Summer 2016
PEDIATRICS NEWSLETTER



Message from the Chairman

Summer 2016

Dear Colleague,

We value your partnership in caring for children and adolescents with surgical conditions and believe that teamwork is the key to providing better outcomes and a smooth recovery. This newsletter will keep you up to date on our new and expanding programs in the Department of Surgery. In this issue you'll find information about a promising new treatment for children with lymphatic malformations, the recent expansion of our pediatric plastic and craniofacial program, and news about weight loss surgery for teens. Future issues will alert you to more programs that can benefit your patients.

Finally, I'm pleased to announce that 25 Columbia surgeons were just named to the 2016 Castle Connolly Top Doctor's list and featured in New York magazine.

Best regards,

Craig R. Smith, MD, FACS
Chairman, Department of Surgery

Can Betablocker Help Children with Lymphatic Malformations?

Many children with Lymphatic Malformations (LMs) are misdiagnosed because of the complexity and variation of their clinical presentation, and often it is difficult, if not impossible, to surgically remove them. Now there may be a new way to address this condition.

June K. Wu, MD (<http://columbiasurgery.org/june-k-wu-md>), Assistant Professor of Surgery, Division of Plastic and Reconstructive Surgery and Co-director of the Vascular Anomalies Group at NYP/Columbia, and Carrie Shawber, PhD, a developmental biologist in the Department of Obstetrics and Gynecology, observed that cells isolated from LMs were sensitive to propranolol, a common blood pressure medication. In the laboratory setting, propranolol caused rapid death of these LM cells. Drs. Wu and Shawber are developing clinical studies to find out how the drug works and how it may be integrated into treatment of LMs. They are also screening additional medicines that have the potential to work as well or even better.

Read more here: <http://columbiasurgery.org/node/1369>



NYP/Columbia Expands the Pediatric Plastic Surgery, Cleft, and Craniofacial Program

We recently welcomed a new addition to our pediatric surgery team: Dr. Thomas Imahiyerobo (<http://columbiasurgery.org/thomas-imahiyerobo-md>), a pediatric plastic, orthognathic, cleft, and craniofacial surgeon graduated from Harvard Medical School and completed his general and plastic surgery residencies here at NewYork-Presbyterian Hospital. He also held a pediatric plastic and

craniofacial surgery fellowship at Children's Hospital of Los Angeles and the Keck School of Medicine at the University of Southern California. Dr. Imahiyerobo is fully trained in the entire spectrum of plastic surgery procedures, as well as in craniofacial and orthognathic disorders. He joins Dr. June Wu (<http://columbiasurgery.org/june-k-wu-md>), a leader of Columbia's multidisciplinary vascular anomalies team, and a national expert in this field and Dr. Jeffrey Ascherman (<http://columbiasurgery.org/jeffrey-ascherman-md>), who has been director of Columbia's multidisciplinary cleft and craniofacial teams for over 15 years.

NYP/Columbia provides comprehensive, multidisciplinary care for children with all types of plastic surgery needs, including the treatment of congenital nevi and other skin and soft tissue lesions, hemangiomas, vascular and lymphatic malformations, clefts of the lip and palate, jaw and other orthognathic problems, and a wide variety of craniofacial disorders, including craniosynostoses, hemifacial microsomia, and the full spectrum of craniofacial syndromes.

Pediatric Liver Transplantation

The Center for Liver Disease and Transplantation (<http://columbiasurgery.org/liver>) at NYP/Columbia is committed to helping our young patients make a smooth transition from a pediatric model of care where parents are in control of the decision-making to adult care where young adults take full responsibility for their healthcare needs.

The Pediatric Committee of the American Society of Transplantation has recommended that pediatric transplant recipients should demonstrate the ability to effectively manage their health before transferring to an adult-centered model of care. Despite this recommendation, young adults have some of the highest documented rates of rejection, graft loss and medical complications.

Our model PLATinum Program - Pediatric Liver to Adult Transition – facilitates this progression, providing the necessary support and education, in a safe and timely manner.

The PLATinum Program is a multidisciplinary effort involving both pediatric and adult physicians, nurse practitioners, psychiatrists, pharmacists and social workers dedicated to improving outcomes for our adolescent patients. We teach self-management skills beginning around 12 years, and provide age-appropriate education and intervention tailored to each patient's needs.

The Center for Liver Disease and Transplantation is the only transplant program in the tri-state area with three board-certified pediatric gastrointestinal transplant specialists. Our pediatric patients also have access to clinical trials of the latest therapies in immunosuppression, including novel adult therapies that may be appropriate for older teenagers.

Read more about our service here: <http://columbiasurgery.org/conditions-and-treatments/pediatric-liver-disease>

Update on Childhood and Teen Obesity

In our last issue, we introduced our Center for Adolescent Bariatric Surgery (CABS) at NewYork-Presbyterian Morgan Stanley Children's Hospital, under the direction of Dr. Jeffrey Zitsman (<http://columbiasurgery.org/jeffrey-l-zitsman-md>). We're now learning more about link between obesity and exposure to toxins in utero and escalating health risks for obese teens.

- Early Chemical Exposure Link to Childhood Obesity
NYP/Columbia researchers explored prenatal and early childhood exposure to BPA (bisphenol A), a chemical found in plastic packaging, cans, and cash register receipts and found a greater risk for developing obesity.

Read more here: <http://www.ncbi.nlm.nih.gov/pubmed/27187982>

- Teenage Obesity = Big Health Risks
An Israeli study of more than 2 million people found that obese teenagers were two to three times more likely to die of heart disease by midlife than those who were thin. Experts called the findings, published online April 13

in the New England Journal of Medicine, worrisome, if not all that surprising.

NIH link:

https://www.nlm.nih.gov/medlineplus/news/fullstory_158289.html

NEJM

link: <http://www.nejm.org/doi/full/10.1056/NEJMoa1503840#t=article>

25 Columbia Surgeons Named to 2016 Best Doctors List

Each year *New York* magazine and the research firm Castle Connolly compile a list of top doctors in every specialty in the New York Metro area. This elite group is selected through an extensive process of peer nomination and the list serves as a useful guide to indicate which doctors are considered the very best in their fields. Twenty-five from the Department of Surgery have received this prestigious recognition:

- Michael Argenziano, MD (Cardiac Surgery)
- Tracey Arnell, MD (General & Acute Care Surgery)
- Jeffrey Ascherman, MD (Plastic & Reconstructive Surgery)
- Gudrun Aspelund, MD (Pediatric Surgery)
- Emile Bacha, MD (Pediatric Cardiac Surgery)
- Marc Bessler, MD (Minimal Access & Weight Loss Surgery)
- Michael Borger, MD PhD (Cardiac Surgery)
- Robert S. Brown, Jr., MD MPH (Transplant Surgery)
- John Chabot, MD FACS (GI/Endocrine Surgery)
- Jean Emond, MD (Transplant Surgery)
- Sheldon M. Feldman, MD (Breast Surgery)
- Daniel Feingold, MD (Colorectal Surgery)

Mark E. Ginsburg, MD (Thoracic & Cardiac Surgery)

- Tomoaki Kato, MD (Transplant Surgery)
- Pokala Ravi Kiran, MD (Colon & Rectal Surgery)
- James Lee, MD (Endocrine Surgery)
- Steven Lobritto, MD (Pediatric Transplant Surgery)
- William Middlesworth, MD (Pediatric Surgery)
- Nicholas Morrissey, MD (Vascular Surgery)
- Yoshifumi Naka, MD PhD (Cardiac Surgery)
- Miguel Silva, MD (General Surgery)
- Craig Smith, MD (Cardiac Surgery)
- Joshua Sonett, MD (Thoracic Surgery)
- Steven Stylianos, MD (Pediatric Surgery)
- Hiroo Takayama, MD PhD (Thoracic & Cardiac Surgery)

Click here to see more of the full NY Top Doctors list (<http://nymag.com/bestdoctors/>), including specialists at NewYork-Presbyterian/Columbia University Medical Center, Lawrence Hospital, and Morgan Stanley Children's Hospital of NewYork-Presbyterian.

Pediatric Surgery: Recent Presentations & Publications

Presentations

The Pediatric Cardiology Society of Greater New York May 18, 2016

D Kalfa, E Belli, E Bacha, V Lambert, D di Carlo, H Sairanen, J Rubay, M Kostolny, C Schreiber, M Nosal, M Hazekamp, H Berggren, I Yemets, B Maruszewski, G Sarris, M Pozzi, T Ebels, F Lacour-Gayet; European Congenital Heart Surgeons Association (ECHSA). Pulmonary Vein Stenosis: Outcomes,

Prognostic Factors and Severity Score in a Large Multicentric Study.

D Kalfa, M Pontaller, B Ahmad, G Williams, P Pouponneau, M Blanchy, K Thibaut, P Hommes-Schattmann, A Neffe, V Vanneaux, Penasche. Tissue Engineering of the Right Heart Outflow Tract by a Biofunctionalized Bioresorbable Polymeric Valved TUBE: Mid-term Results of the TEH-TUBE Program.

D Kalfa, Y Nakamura, S Levasseur, A Shah, L Freud, A Chelliah, P Chai, J Quaegebeur, E Bacha. Outcomes after Anatomic Repair for D-Transposition of Great Arteries with Ventricular Septal Defect and Left Ventricular Outflow Tract Obstruction.

D Kalfa, L. Kasmi, M Montreuil, N Geronikola, V Lambert, E Murzi, E Belli, D Bonnet. Cognitive, Neuropsychological and Social Status is Impaired Two Decades after Neonatal Arterial Switch Operation. Best Abstract award.

47th annual meeting of the American Pediatric Surgical Association (APSA)^{11 SEP}
San Diego, CA, May 2016

Monteagudo J, O'Brien C, Schad CA, Rapido F, Fung K, Bateman DA, Middlesworth W. Ex vivo comparison of extracorporeal membrane oxygenation circuits and cannulae to evaluate sources of hemolysis. Poster of Distinction: Basic Science.

Publications

Blancha VL, Ratneer V, Aspelund G, Chai P, Levasseur S, Krishnan U, Bacha E, Krishnamurthy G. Survival of Three Neonates With Congenital Diaphragmatic Hernia and D-Transposition of the Great Arteries. World Journal for Pediatric and Congenital Heart Surgery May 2016, 05/ 2016 ;
DOI:10.1177/2150135116632509.

[Click here for PDF](#)

[Click here for PubMed link](#)

Webinars

The Division continually holds webinars and live educational seminars for physicians. You may access these events both live and in archives after-the-fact at our web site.



Cardiovascular Webinars for physicians are available here: <http://columbiasurgery.org/education-training/cardiovascular-webinars>

CTEPH and PTE: A Conversation with the Experts: <http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/d37fe89795254121ac4d1ffe3b1db92d>

Left Atrial Appendage Occlusion for Stroke Prevention in Atrial Fibrillation: The Future is Now: <http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/aa90622ccb04452fa6ec2251704db5ac>

Embolic Protection in TAVR - Is it Necessary?
<http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/1265b28598f1496f8159930e57ea082f>

New Frontiers of Treatment for Mitral Valve Disease: <http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/1906c73f687a4dbabff32cd9b53d2901>

Who is a Good Surgical Candidate in the Era of TAVR?
<http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/8086600e41d247228009b66444fcb983>

Emerging Therapies for Systolic Heart Failure and Pulmonary Hypertension: <http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/8086600e41d247228009b66444fcb983>

Cardiac Replacement Therapy: LVAD and/ or Transplant for Advanced Heart Failure: <http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/221d3131f961469cbbd3ecd09c3fcc0e>

Patient Referral

To refer elective patients, call 212.305.7013 or 212.304.7810.
And email, info@columbiasurgery.org

Urgent and emergency transfers: 1.800.NYPSTAT

Physician Referral

Form: https://secure.cumc.columbia.edu/surgery/form/physician_referrals.html
