



# Columbia Surgery PEDIATRICS NEWSLETTER



## Message from the Chairman

Fall 2018

Dear Colleague,

I am pleased to report that NewYork-Presbyterian Morgan Stanley Children's Hospital is the first in the tri-state area to offer Fetal Cardiac Intervention (FCI) – an approach that allows us to change how the heart develops in utero and alter the natural course of certain cardiac anomalies.

Our pediatric heart transplant team became the first to implant a Berlin Heart, as a bridge to transplant, in an infant only three days old.

With new techniques, our outcomes for congenital repair in low birth-weight infants have markedly improved.

And our experts have made important advances in tricuspid valve repair in the pediatric population as well.

Read more about these innovations below.

I hope you will take advantage of our many useful CME videos from our online Pediatric Lectures. Please register [here](#).

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

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## First in Tri-State Area to Offer Fetal Cardiac Intervention

“Fetal Cardiac Intervention (FCI) is an innovative approach that allows us to modify how the heart develops in utero,” says [Russell Miller, MD](#), Director of the Carmen and John Thain Center for Prenatal Pediatrics at NewYork-Presbyterian/Morgan Stanley Children’s Hospital. “We are the first in the tri-state area to offer this novel therapy for certain cardiac anomalies, working closely with leading pediatric cardiac specialists.”

“Our skilled multidisciplinary team offers FCI to address severe aortic stenosis and evolving hypoplastic left heart syndrome; pulmonary stenosis or atresia and evolving hypoplastic right heart syndrome; and hypoplastic left heart syndrome with an intact atrial septum,” adds [Lindsay R. Freud, MD](#), Assistant Professor of Pediatrics at Columbia University Irving Medical Center and a pediatric cardiologist with expertise in [fetal cardiac intervention](#). “Our goal is to alter the natural progression of these forms of congenital heart disease in utero and make the heart and/or lungs stronger by the time of birth.”

[Read more](#)

*To refer a patient, please call 1.877.THE.BABY and speak with one of our clinical care coordinators. When needed, you can arrange transport from an outside hospital for your patient by calling 1.800.NYP.STAT (1.800.697.7828).*

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## **[Update on Pediatric Heart Transplantation – Buying Time with the Berlin Heart](#)**

“About 30-40 children’s hearts are available for transplantation each year, and the allocation process is complex,” says [Paul Chai, MD](#), Director of Pediatric Heart Transplantation and Mechanical Assist Device services. “But with our mechanical assist program, we can help many of our young patients on the waiting list.” Last year, Dr. Chai implanted a Berlin Heart as a bridge to transplant in the youngest patient ever to receive one – a three-day-old infant. The child waited on the Berlin heart for four weeks, and then underwent successful heart transplantation. She continues to do well today.

[Read more](#)

*To schedule a consult or admission please call NYP/Morgan Stanley’s Comprehensive*

*Pediatric Transplant Service, at 866-697-7755, 24 hours, 7 days a week.*

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## **Congenital Repairs – Improved outcomes and new approach for low birth weight infants**

In recent years, outcomes have improved for the most complex pediatric heart operations: the Norwood procedure for hypoplastic left heart syndrome, the arterial switch procedure for transposition of the great arteries, and neonatal surgical repair for truncus arteriosus.

“Complications have decreased and mortality rates are significantly better,” says [Dr. Paul Chai](#), a surgeon at NYP/Morgan Stanley Children’s Hospital. “Ten years ago the mortality risk for a Norwood could be as high as 25%, but [now it’s 10% or less for highly experienced surgeons like ours](#). We’ve also gotten very good at performing complex surgical reconstruction on low birth weight infants (1.5 kilograms or less) and are now the leaders in this area as well.”

[Read more](#)

*To refer a patient, please call*

*Cardiology: 212-305-8509*

*Heart Surgery: 212-305-5975*

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## **Pediatric Heart Valve Seminar: Focus on Tricuspid Conditions**

Columbia’s first annual Heart Valve Symposium, focusing on the medical and surgical management of congenital heart valve disease, was held May 30-31, 2018. Internationally recognized experts reviewed standard and emerging treatments for this condition and the course drew over 170 participants.

Among the topics covered were advances in tricuspid valve replacement and the treatment of Ebstein’s anomaly.

Annually, Columbia surgeons treat a dozen children with Ebstein’s anomaly, and 35 children needing non-Ebstein’s tricuspid valve repairs. The optimal age range for patients to undergo these procedures is 4 to 5 years.

[Read more](#)

To refer a patient, please call 212.305.5975.

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*We now have multiple locations in Manhattan, Westchester County, New York, and Bergen County, New Jersey*

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## Research

[Pediatric presentations and publications](#)

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## Continuing Medical Education



Title	Date	Credits
Columbia Pediatric Heart Valve Symposium: From Bench to Bedside	05/30 - 05/31/2018	10.25
The Fifth Annual Cardiovascular Summit 2018: A Multidisciplinary Team Approach	10/18 - 10/19/2018	11.50
Essentials in Pain Management: Update 2018	11/13/2018	7.50
Hernia Surgery Summit (formerly Abdominal Wall Reconstruction Summit)	02/07 - 02/09/2019	pending
The 15th International Conference on Pediatric Mechanical Circulatory Support Systems & Pediatric Cardiopulmonary Dysfunction	05/09 - 05/11/2019	pending

[ColumbiaSurgeryCME.org](http://ColumbiaSurgeryCME.org)

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## Webinars

Our vast library of videos and webinars is available 24/7 for your convenience.

Cardiovascular Webinars for physicians are available [here](#).



## Patient Referral

To refer elective patients, call 212.304.7810. Email [info@columbiasurgery.org](mailto:info@columbiasurgery.org).

Urgent and emergency transfers: 1.800.NYP.STAT.

## Physician Referral [Form](#)

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