



Columbia Surgery  
**PEDIATRICS NEWSLETTER**



## Letter from the Chair

September, 2016

Dear Colleague,

Our pediatric physicians and surgeons continue to provide outstanding clinical care at Morgan Stanley Children's Hospital, one of the top pediatric hospitals in the nation.

Our ExtraCorporeal Life Support Team recently received the Platinum Level ELSO Award for Excellence in Life Support, an extraordinary achievement for our center. This award recognizes distinguished programs worldwide that promote excellence and exceptional care in extracorporeal membrane oxygenation.

In this issue of the newsletter you'll also read about our recent advances in evaluating the long-term effects of congenital heart disease as well as in refining minimally invasive surgeries for children.

I hope you will join us for our full-day program, Specialty Updates for the General Pediatrician, and take advantage of the many useful CME videos from our online Pediatric Grand Rounds.

Best Regards,

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

## **Cognitive Functioning 20 years after Arterial Switch**

The NEUROSITCH study following patients with congenital heart disease provides the first description of the cognitive and psychosocial outcomes of adults two decades after a neonatal arterial switch operation for transposition of the great arteries (TGA).

Read More: <http://columbiasurgery.org/news/2016/09/14/cognitive-functioning-20-years-after-arterial-switch>

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## **Pulmonary Vein Stenosis (PVS)**

A new study evaluates a promising technique for PVS repair (called sutureless technique) introduced two decades ago.

Read More: <http://columbiasurgery.org/news/2016/09/14/pulmonary-vein-stenosis-pvs>

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## **Standardizing Protocols for the Pediatric ICU**

The Pediatric ICU at Morgan Stanley Children's Hospital is currently exploring strategies for fluid resuscitation in critically ill pediatric surgical patients and further developing protocol-based care.

Read More: <http://columbiasurgery.org/news/2016/09/14/standardizing-protocols-pediatric-icu>

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## **Minimal Access Surgery for Pediatric Patients**

Pediatric surgeons at NewYork-Presbyterian/Morgan Stanley Children's Hospital have made many advances in minimally invasive surgery since launching the first video-assisted surgical program in the tri-state area dedicated exclusively to children.

Read more: <http://columbiasurgery.org/news/2016/09/29/minimal-access-surgery-pediatric-patients>

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## **Pediatric ECMO Program Among Top Five in the World**

NYP/Columbia has received the Platinum Level Award for Excellence from the Extracorporeal Life Support Organization (ELSO) and is one of only five programs in the world with this distinction. Our pediatric team was recognized for offering the highest quality of care for ECMO patients as well.

“We provide a level of life support for critically ill children that is not available at other centers,” says William Middlesworth, MD, FACS, FAAP, Director, Pediatric ECMO and Pediatric Surgical Residency Programs at NYP/ Morgan Stanley Children’s Hospital. “Patients are routinely referred to us for cardiac and respiratory failure. Our ECMO program also supports our very busy pediatric heart transplant center,” says Dr. Middlesworth.

Learn more about our advanced ECMO program here: <http://www.nyp.org/morganstanley/clinical-services/ecmo-extracorporeal-membrane-oxygenation>

For more information, please call Dr. William Middlesworth at 212 342-8585.

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## **Presentations and Research**

### Presentations

*47th annual meeting of the American Pediatric Surgical Association (APSA) 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, Ratner 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.

[Journal link](#)

[Pubmed link](#)

Connors T, Baird J, Farber DL. Viral Bronchiolitis in Children. *N Engl J Med.* 2016 May 5;374(18):1791-2. doi: 10.1056/NEJMc1601509#SA2.

[Journal link](#)

[Pubmed link](#)

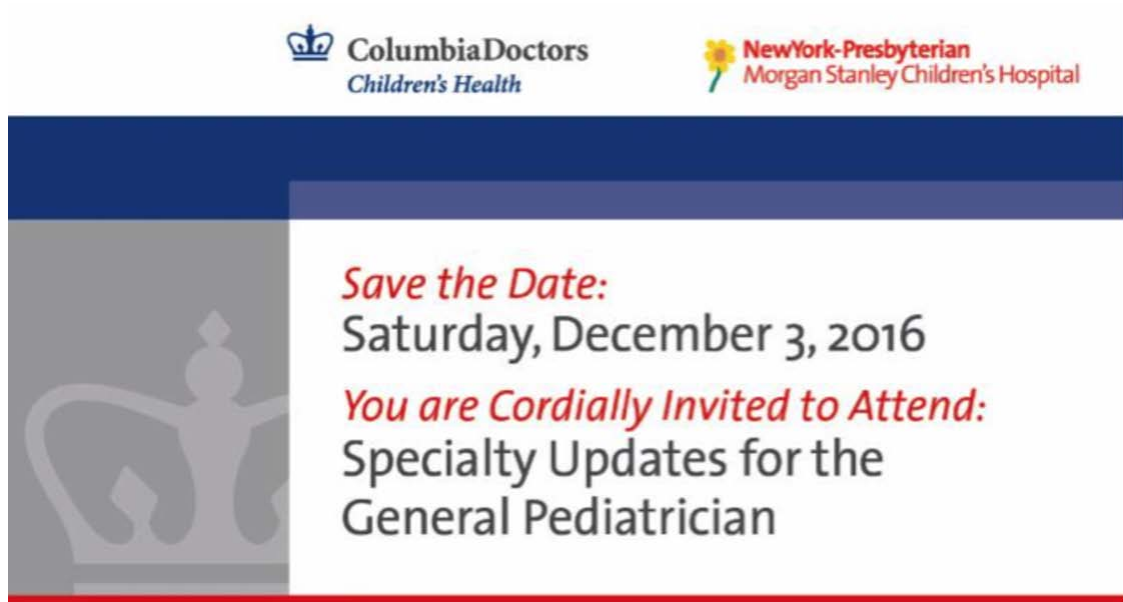
Krishnamurthy G, Ratner V, Bacha E, Aspelund G. Comorbid Conditions in Neonates With Congenital Heart Disease. *Pediatr Crit Care Med.* 2016 Aug;17(8 Suppl 1):S367-76. doi: 10.1097/PCC.0000000000000832.

[Journal link](#)  
[Pubmed link](#)

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## Continuing Medical Education Programs

Please join us for the following continuing education programs this fall.



### 2016 Specialty Updates for the General Pediatrician

This full day program will be of interest to general pediatricians who are interested in expanding their knowledge in a variety of subspecialty areas with new or updated guidelines or practice parameters that impact primary pediatric care.

Saturday, Dec. 3, 2016

7:15 a.m. to 5 p.m.

Education and Conference Center

NewYork-Presbyterian/Vivian and Seymour Milstein Family Heart Center

173 Fort Washington Avenue, New York, NY 10032

More information here: <http://www.cumc.columbia.edu/pediatrics/events/2016-Specialty-Updates-General-Pediatrician>

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### ONLINE NOW: Pediatric Grand Rounds

You can now view video recordings of Pediatric Grand Rounds on a variety of topics and earn continuing medical education (CME) credits. Access the videos online via Columbia University's Center for Continuing Medical Education (<https://collectedmed.com/index.php/cme>).

Our videos include:

- Emerging Topics in Childhood Obesity and Non-Alcoholic Fatty Liver Disease
- Current Advances and Insights into Peanut Allergies
- Evolution in Diagnosis and Therapeutics of Nonalcoholic Fatty Liver Disease
- Hybrid Procedures in Congenital Heart Disease
- Precision Pediatrics
- Sinusitis: Diagnosis, Management, and Complications
- Understanding Craniofacial Deformities in Children: Deformational Plagiocephaly & Cleft Nasal Deformity
- Understanding Growth: The Forgotten Third Percentile for Height

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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: <http://columbiasurgery.org/education-training/cardiovascular-webinars>

CTEPH and PTE: A Conversation with the

Experts: [http://www.tctmd.com/multimedia/?](http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/d37fe89795254121ac4d1ffe3b1db92d)

[section=/video/webcasts/2015/d37fe89795254121ac4d1ffe3b1db92d](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/?](http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/aa90622ccb04452fa6ec2251704db5ac)

[section=/video/webcasts/2015/aa90622ccb04452fa6ec2251704db5ac](http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/aa90622ccb04452fa6ec2251704db5ac)

Emboic Protection in TAVR - Is it Necessary? [http://www.tctmd.com/multimedia/?](http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/1265b28598f1496f8159930e57ea082f)

[section=/video/webcasts/2015/1265b28598f1496f8159930e57ea082f](http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/1265b28598f1496f8159930e57ea082f)

New Frontiers of Treatment for Mitral Valve

Disease: [http://www.tctmd.com/multimedia/?](http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/1906c73f687a4dbabff32cd9b53d2901)

[section=/video/webcasts/2015/1906c73f687a4dbabff32cd9b53d2901](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/?](http://www.tctmd.com/multimedia/?section=/video/webcasts/2015/8086600e41d247228009b66444fcb983)

[section=/video/webcasts/2015/8086600e41d247228009b66444fcb983](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/2015/5596c55ca3df45429ca286a917ef364d](#)

Cardiac Replacement Therapy: LVAD and/ or Transplant for Advanced Heart Failure: <http://www.tctmd.com/multimedia/?>

[section=/video/webcasts/2015/221d3131f961469cbbd3ecd09c3fcc0e](#)

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## **Patient Referral**

To refer elective patients, call 212.305.7013 or 212.304.7810.

Email, [info@columbiasurgery.org](mailto:info@columbiasurgery.org)

Urgent and emergency transfers: 1.800.NYP.STAT

## Physician Referral

Form: [https://secure.cumc.columbia.edu/surgery/form/physician\\_referrals.html](https://secure.cumc.columbia.edu/surgery/form/physician_referrals.html)

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