Message from the Chairman

August 2016

Dear Colleague,

We value your partnership in caring for patients needing cardiovascular or thoracic surgery 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 our comprehensive programs in Adult Congenital Heart Disease, Hypertrophic Cardiomyopathy and Medical ECMO.

A recent data review for our Lung Transplantation program showed that NYP/Columbia’s three-year patient survival is now an impressive 81 percent—that’s 13 points higher than the national average.

Finally, I’m happy to announce that 25 Department of Surgery surgeons were just named to the 2016 Castle Connolly Top Doctor’s list, featured in New York magazine.
Adult Congenital Heart Disease: Meeting the next generation of challenges

Babies born with heart defects are now more likely to be successfully treated and grow into healthy adults. Yet this has created a new set of challenges: how to care for the first-generation who had childhood surgeries for congenital heart disease.

These patients face problems that simply were not anticipated when they received treatment decades ago, says Marlon Rosenbaum, MD, Director of the Schneeweiss Adult Congenital Heart Disease Center at NYP/Columbia.

The center treats approximately 3,000 adults every year, enough volume to observe the problems that arise in this unique population. Dr. Rosenbaum’s team is now studying patients who had early surgery for Tetralogy of Fallot to determine if and when they should have replacement of their pulmonary valve, as adults. Tetralogy of Fallot is a constellation of heart defects that permits oxygen-poor blood to flow through the body.

“Patients with tetralogy of Fallot underwent surgery to relieve obstruction of blood flow to the lungs,” says Dr. Rosenbaum. “We now know that a leak in the pulmonary valve created during the repair causes significant enlargement of the right ventricle over time. But no one is really sure when to replace the pulmonary valves in these patients. We have been looking at data from cardiac MRI, exercise testing, and quality of life assessment to get a better understanding of when to do this surgery. We are also seeing similar issues in patients who underwent repair of pulmonary stenosis during childhood.”
Some patients with congenital heart disease have hypertrophic cardiomyopathy (HCM), which causes the heart muscle to thicken and have difficulty contracting. Jonathan Ginns, MD, (http://www.columbiadoctors.org/prof/jginns) Medical Director of the Hypertrophic Cardiomyopathy Program and a senior member of the Adult Congenital Heart Disease Center, treats many adult patients with HCM. He is involved with a number of studies identifying novel treatments for these patients through collaboration of surgeons, imaging specialists, and experts in heart failure, genetics, and pediatrics.

“We have entered a new phase in the care of adults with congenital heart disease,” says Dr. Rosenbaum. “The first two decades of surgical repair demonstrated to us that adult survival was possible. Now we are conducting multicenter research to help us refine management that will improve longevity in our adult patients.”

The Adult Congenital Heart Disease program has recruited Dr. Matthew Lewis, (http://www.columbiadoctors.org/prof/mlewis) to promote cutting edge research and continue providing patients with the most advanced care available in this country.

To serve a greater number of these complex patients, we recently opened satellite offices in Brooklyn, Long Island and Stamford, Connecticut.

Tully Health Center  
32 Strawberry Hill Court  
Stamford, CT 06902

Long Island, NY  
The Vizza Pavilion  
100 Port Washington Blvd  
Roslyn, NY 11576

Brooklyn  
101 Broadway, Suite B 02  
Brooklyn, NY 11249
To refer a patient, please call 212.305.6936

Read more about innovative surgery at Columbia for ACDH here: [http://columbiasurgery.org/conditions-and-treatments/adult-congenital-heart-disease](http://columbiasurgery.org/conditions-and-treatments/adult-congenital-heart-disease)

Learn about the Schneeweiss Adult Congenital Heart Disease Center here: [http://www.cumc.columbia.edu/dept/congenitalheart](http://www.cumc.columbia.edu/dept/congenitalheart)

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**Hypertrophic Cardiomyopathy Center**

Under the direction of Hiroo Takayama, MD, PhD, ([http://columbiasurgery.org/hiroo-takayama-md-phd](http://columbiasurgery.org/hiroo-takayama-md-phd)) and Jonathan Ginns, MD, ([http://www.columbiadoctors.org/prof/jnginns](http://www.columbiadoctors.org/prof/jnginns)) the Hypertrophic Cardiomyopathy Center provides a comprehensive approach to this disease, creating individualized treatment for all family members.

Our HCM team has the depth and breadth of experience to provide seamless care for patients at every age and at every stage of this disease. We also screen and assess first-degree relatives for HCM-related genes.

Nationally known for our expertise in heart failure, genetics ([http://www.cumc.columbia.edu/pediatrics/division/molecular-genetics](http://www.cumc.columbia.edu/pediatrics/division/molecular-genetics)), noninvasive imaging, interventional techniques, cardiac surgery ([http://columbiasurgery.org/node/1377](http://columbiasurgery.org/node/1377)), and heart transplantation ([http://columbiasurgery.org/node/1378](http://columbiasurgery.org/node/1378)), The HCM Center offers patients a full range of treatment options.

The Hypertrophic Cardiomyopathy Center at NYP/Columbia is a comprehensive, multidisciplinary program that offers patients essentially every treatment option. About 60-80% of patients with HCM develop obstruction of the left ventricular outflow tract (LVOT). Patients with this type of HCM are first treated with medications (beta blockers and calcium channel blockers). If these fail or if patients are intolerant to the medications, there are two surgical options to consider.
Alcohol Septal Ablation (ASA)
Alcohol septal ablation is performed in the cardiac catheterization laboratory without opening the chest. After threading the catheter through the aorta and into the heart, the specialist delivers a tiny amount of alcohol to the coronary artery branch that supplies the area of septum with abnormal thickening. This causes a controlled heart attack, with cell death in the thickened heart muscle, thus relieving the obstruction. The procedure can be repeated if more tissue needs to be treated. ASA is non-invasive and involves less discomfort. Most patients are hospitalized for two to three days.

Septal Myectomy
This surgical procedure cuts the thickened ventricular wall to relieve LVOT. Few centers offer it because it requires highly specialized training and experience. Dr. Takayama is considered one of the leading experts in “extended septal myectomy.” He removes a deeper, more extensive portion of the heart muscle than most surgeons. This produces longer lasting, more effective outcomes than standard myectomy, with extremely low risk. Dr. Takayama eliminates or substantially reduces LVOT obstruction in over 90% of patients, reduces mitral regurgitation, improves exercise capacity, and improves patients’ quality of life—with less than a 0.5% mortality rate.

Read more about surgical procedures for HCM here: http://columbiasurgery.org/cardiomyopathy/surgical-procedures-hcm
And learn about our HCM Center here: http://columbiasurgery.org/cardiomyopathy

To refer a patient to our HCM Clinic, please contact Kristina Gegaj at 212.305.9268

MEDICAL ECMO

The ECMO Program at NYP/Columbia is one of the largest in the world with over 200 cases per year. Our team is also one of the world’s most experienced in medical ECMO transport, having successfully completed over 200 transports with patients receiving ECMO on their way to us.
In 2016, our ECMO Program was designated a Platinum Level Center of Excellence by The Extracorporeal Life Support Organization (ELSO). This was the first time this designation was awarded and our program was one of only five in the world to achieve this status.

Recently we administered ECMO for 127 days to a patient with interstitial lung disease and severe pulmonary hypertension awaiting lung transplantation. While on ECMO, the patient was awake, interactive and walking daily to maintain physical strength for transplant. The transplant was successful and this individual was discharged after a total of 131 consecutive days on ECMO.

In addition, we have just published the largest case series of patients treated with ECMO during pregnancy and post-partum. The study consisted of 18 peripartum patients; 4 were pregnant at the time of cannulation. Outcomes were excellent and two babies were successfully delivered while their mothers required ECMO support.

PDF
PubMed link

Read more about our ECMO here: http://columbiasurgery.org/ecmo and our Center for Acute Respiratory Failure here: http://www.nyp.org/clinical-services/center-for-acute-respiratory-failure.

Department of Surgery 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 http://columbiasurgery.org/michael-argenziano-
md (Cardiac Surgery http://columbiasurgery.org/heart)

- Tracey Arnell, MD http://columbiasurgery.org/tracey-d-arnell-md
  (General & Acute Care Surgery http://columbiasurgery.org/general-surgery)

- Jeffrey Ascherman, MD http://columbiasurgery.org/jeffrey-ascherman-md
  (Plastic & Reconstructive Surgery http://columbiasurgery.org/plastic)

- Gudrun Aspelund, MD http://columbiasurgery.org/gudrun-aspelund-md
  (Pediatric Surgery http://columbiasurgery.org/pediatrics)

- Emile Bacha, MD http://columbiasurgery.org/emile-bacha-md
  (Pediatric Cardiac Surgery http://columbiasurgery.org/pediatric-heart)

- Marc Bessler, MD http://columbiasurgery.org/marc-bessler-md
  (Minimal Access http://columbiasurgery.org/minimal-access & Weight Loss Surgery
  http://columbiasurgery.org/weight-loss)

- Michael Borger, MD PhD http://columbiasurgery.org/michael-borger-md
  (Cardiac Surgery http://columbiasurgery.org/heart)

- Robert S. Brown, Jr., MD MPH http://columbiasurgery.org/robert-s-brown-jr-md-mph
  (Transplant Surgery http://columbiasurgery.org/liver)

- John Chabot, MD FACS http://columbiasurgery.org/john-chabot-md-facs
  (GI/Endocrine Surgery http://columbiasurgery.org/endocrine)

- Jean Emond, MD http://columbiasurgery.org/jean-c-emond-md
  (Transplant Surgery http://columbiasurgery.org/liver)

- Sheldon M. Feldman, MD http://columbiasurgery.org/sheldon-m-feldman-md
  (Breast Surgery http://columbiasurgery.org/breast)

- Daniel Feingold, MD http://columbiasurgery.org/daniel-l-feingold-md
  (Colorectal Surgery http://columbiasurgery.org/colorectal)

- Mark E. Ginsburg, MD http://columbiasurgery.org/mark-e-ginsburg-md
  (Thoracic http://columbiasurgery.org/thoracic & Cardiac Surgery
  http://columbiasurgery.org/heart)

- Tomoaki Kato, MD http://columbiasurgery.org/tomoaki-kato-md
  (Transplant Surgery http://columbiasurgery.org/liver)


Yoshifumi Naka, MD, PhD [http://columbiasurgery.org/yoshifumi-naka-md-phd](http://columbiasurgery.org/yoshifumi-naka-md-phd) (Cardiac Surgery [http://columbiasurgery.org/heart](http://columbiasurgery.org/heart))

Miguel Silva, MD [http://columbiasurgery.org/miguel-r-silva-md](http://columbiasurgery.org/miguel-r-silva-md) (General Surgery [http://columbiasurgery.org/lawrence](http://columbiasurgery.org/lawrence))

Craig Smith, MD [http://columbiasurgery.org/craig-r-smith-md](http://columbiasurgery.org/craig-r-smith-md) (Cardiac Surgery [http://columbiasurgery.org/heart](http://columbiasurgery.org/heart))


Click here to see more of the full NY Top Doctors list: [http://nymag.com/bestdoctors/](http://nymag.com/bestdoctors/), including specialists at NewYork-Presbyterian/Columbia University Medical Center, NYP/Lawrence Hospital, and Morgan Stanley Children’s Hospital of NewYork-Presbyterian.
Recent Publications and Presentations

Adult Congenital Heart Disease Papers


Journal
PubMed


PubMed


PubMed


PubMed

Lewis M, Ginns J, Rosenbaum M “Is systemic right ventricular function by Cardiac MRI related to the degree of tricuspid regurgitation in congenitally

PubMed

Cardiac Surgery Presentations


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


Smith CR. "Gladiator Session I" Total Arterial Revascularization.


Cardiac Surgery Publications

PDF
PubMed


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Thoracic Surgery Presentations

*American Association for Thoracic Surgery Annual Meeting, Baltimore, May 2016*

Bacchetta M, ECMO in the Field—The New Logistics of Pump and Run.

*24th European Conference on General Thoracic Surgery Naples, Italy, May 2016*


Thoracic Surgery Publications


CME Conferences

September 29-30.
http://columbiasurgery.org/events/2016-09-29-150000-2016-09-30-210000/aortovascular-summit-2016-multidisciplinary-team-approach

Aortovascular Summit 2016 is the third combined aortic and vascular therapy course hosted by NewYork-Presbyterian/Columbia University Medical Center. This program represents a unique multidisciplinary collaboration between cardiologists, vascular, thoracic and cardiac surgeons, allowing for a truly comprehensive approach to the management of aortic and vascular disease. This premier two-day course will present the current state of the art in the diagnosis and management of patients with aortic, carotid, peripheral arterial and venous disease. Our internationally recognized faculty will present lectures, video-recording, and case-based multidisciplinary discussions focused on the best current therapies to treat these complex disease states.

Learning Objectives

- Identify the diagnostic and treatment modalities for patients with aortic valvular disease including surgical and transcatheter options
- Review risk factor stratification, diagnosis and management of patients with complex thoracic aortic diseases including dissection and aneurysm
- Discuss the current management strategy for the acute stroke patient
- Describe the treatment options to treat complex peripheral arterial disease,
including analyzing trial results and examining novel technologies

- Understand the management of aortic aneurysmal disease: screening, risk factor modification and options for intervention

- Assess the therapeutic pharmacologic agents for risk factor modification in the vascular patient

- Discuss state of the art treatment options for acute deep venous thrombosis and pulmonary embolism

- Analyze treatment options for wound healing in the vascular population, including new developments in wound care

Program Directors:

Danielle R. Bajakian, MD, FACS  Michael A. Borger, MD, PhD  Richard M. Green, MD  Hiroo Takayama, MD, PhD

Location:

NewYork-Presbyterian/ Columbia University Medical Center
Vivian and Seymour Milstein Family Heart Center
173 Fort Washington Avenue, 1st Floor
New York, NY 10032

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/?section=/video/webcasts/2015/d37fe89795254121ac4d1ffe3b1db92d


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/2015/5596c55ca3df45429ca286a917ef364d

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.
Email, info@columbiasurgery.org

Urgent and emergency transfers: 1.800.NYP.STAT

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

This email was sent to la2186@cumc.columbia.edu. To ensure that you continue receiving our emails, please add us to your address book or safe list.

manage your preferences | opt out using TrueRemove®.

Got this as a forward? Sign up to receive our future emails.