



COLUMBIA UNIVERSITY



ColumbiaDoctors | Surgery

*College of Physicians  
and Surgeons*

Dear Faculty,

Here is October's research news from the Department of Surgery. Please continue to email [Paul Kurlansky \(pk2245@columbia.edu\)](mailto:pk2245@columbia.edu) or me ([crs2@cumc.columbia.edu](mailto:crs2@cumc.columbia.edu)) with regular updates, letting us know about your confirmed publications, presentations, and grants before the first of every month.

Please note: All issues of this [newsletter](#) are now archived on the Center for Innovations and Outcomes Research web site. Remember that journal links below require a subscription or connection through the Columbia University library e-journal system, while pubmed links are accessible to all.

Best regards,  
Craig R. Smith, MD  
Chair, Department of Surgery

---

## CONGRATULATIONS

---

Dr. Megan Sykes has received the following grant awards for 2016-2017

- NIH/NIAID, P01 AI045897, (multi PI) A Tolerance Approach to Xenotransplantation, Proj 3, Project Leader Tolerance of Adaptive and Innate Human Anti-Pig Immune Responses in Humanized Mice, Core A: Leader
- NIH/NIAID, R56 AI122332, (PI) Immune Response to combined liver and bone marrow transplant for tolerance in NHP.

---

## CARDIAC SURGERY

---

### Presentations

*European Association for Cardio-thoracic Surgery, EACTS 30th Annual Meeting, Barcelona, Spain, Oct. 1-5th, 2016*

D Kalfa, B Ahmad, M Pontailier, P Pouponneau, M Blanchy, K.Thibaut, P Menasché, G Williams Electrospinning of a bioresorbable polymeric anisotropic valved arterial conduit for pediatric cardiac surgery.

M Padalino, M Comisso, A Frigo, M Kostolny, C Schreiber, J Samprec, D Barron, B Meyns, V Hraska, B Maruszewski, M Kozlowski, LA Vricella, N Hibino, S Collica, H Berggren, M Synnergren, S Lazarov, D Kalfa, E Bacha, C Pizarro, M Hazenkamp, V Sojak, J Jacobs, M Nosal, J Fragata, S Cicek, GE Sarris, P Zografos, V Vida, G Stellin. Early and late outcomes after surgical repair of congenital supra-aortic stenosis. A ECHSA multicentric study.

*European Health Psychology Society, 29th Annual Meeting, Cyprus, September 1st-5th, 2015*

L. Kasmi, D. Kalfa, E. Murzi, N. Geronikola, M. Montreuil Neuropsychological outcome and quality of life in adults after neonatal surgery for congenital heart disease.

## **Publications**

Fukuhara S, Takeda K, Blair A, Kurlansky PA, Takayama H, Naka Y. *Posttransplant Outcomes Among Septuagenarians Bridged to Transplantation With Continuous-Flow Left Ventricular Assist Devices*. *Ann Thorac Surg*. 2016 Aug 28. pii: S0003-4975(16)30684-1.

[Journal link](#)

[Pubmed link](#)

Gavalas MV, Breskin A, Yuzefpolskaya M, Eisenberger A, Castagna F, Demmer RT, Flannery M, Garan AR, Takeda K, Takayama H, Naka Y, Topkara VK, Colombo PC. *Discriminatory performance of positive urine hemoglobin for detection of significant hemolysis in CF-LVAD patients*. *J Heart Lung Transplant*. On line Sept 2016: doi.org/10.1016/j.healun.2016.08.026

[Journal Link](#)

Clerkin KJ, Naka Y, Mancini DM, Colombo PC, Topkara VK. *The Impact of Obesity on Patients Bridged to Transplantation With Continuous-Flow Left Ventricular Assist Devices*. *JACC Heart Fail*. 2016 Aug 28. pii: S2213-1779(16)30278-5. doi: 10.1016/j.jchf.2016.05.010.

[Journal link](#)

[Pubmed link](#)

Vest AR, Kennel PJ, Maldonado D, Young JB, Mountis MM, Naka Y, Colombo PC,

Mancini DM, Starling RC, Schulze PC. *Recovery of Serum Cholesterol Predicts Survival After Left Ventricular Assist Device Implantation*. *Circ Heart Fail*. 2016 Sep;9(9). pii: e002881. doi: 10.1161/CIRCHEARTFAILURE.115.002881.

[Journal link](#)

[Pubmed link](#)

---

## GI/BASIC SCIENCE

---

### Publications

Edgington-Mitchell LE, Wartmann T, Fleming AK, Gocheva V, van der Linden WA, Withana NP, Verdoes M, Aurelio L, Edgington-Mitchell D, Lieu T, Parker BS, Graham B, Reinheckel T, Furness JB, Joyce JA, Storz P, Halangk W, Bogyo M, Bunnett NW. *Legumain is activated in macrophages during pancreatitis*. *Am J Physiol Gastrointest Liver Physiol*. 2016 Sep 1;311(3):G548-60. doi: 10.1152/ajpgi.00047.2016. Epub 2016 Aug 11.

[Journal Link](#)

[Pubmed link](#)

Guerrero-Alba R, Valdez Morales EE, Jimenez-Vargas JN, Lopez Lopez C, Jaramillo Polanco J, Okamoto T, Nasser Y, Bunnett NW, Lomax AE, Vanner SJ. *Stress activates pronociceptive endogenous opioid signalling in DRG neurons during chronic colitis*. *Gut*. 2016 Sep 2. pii: gutjnl-2016-311456. doi: 10.1136/gutjnl-2016-311456. [Epub ahead of print]

[Journal link](#)

[Pubmed link](#)

Lay J, Carbone SE, DiCello JJ, Bunnett NW, Canals M, Poole DP. *Distribution and trafficking of the  $\mu$ -opioid receptor in enteric neurons of the guinea pig*. *Am J Physiol Gastrointest Liver Physiol*. 2016 Aug 1;311(2):G252-66.

[Journal link](#)

[Pubmed link](#)

Poole DP, Bunnett NW. *G Protein-Coupled Receptor Trafficking and Signalling in the Enteric Nervous System: The Past, Present and Future*. *Adv Exp Med Biol*. 2016;891:145-52.

[Journal link](#)

[Pubmed link](#)

---

## LIVER TRANSPLANTATION

---

### Publications

Halazun KJ, Najjar M, Abdelmessih RM, Samstein B, Griesemer AD, Guarrera JV, Kato T, Verna EC, Emond JC, Brown RS Jr. *Recurrence After Liver Transplantation for Hepatocellular Carcinoma: A New MORAL to the Story*. Ann Surg. 2016 Sep 16. [Epub ahead of print]

[Journal link](#)

[Pubmed link](#)

---

## PLASTIC SURGERY

---

### Presentations

*Annual Meeting, American Society of Plastic Surgeons. Los Angeles, September 2016*

Lee, J, Morrison, K, Chang, M, Ascherman, J., and Rohde, C. Is Cosmetic Surgery Tourism Worth it? A Cost analysis of nontuberculous mycobacterium surgical site infections contracted abroad.

Henderson, P, Thimmappa, N, Prince, M., and Rohde, C. Breast tissue expanders and MRI: Defining Surgeons' opinions, clinical outcomes, and optimal parameters for safety.

### Publications

Kim SY, Lee SH, Lee B, Park YJ, Park JH, Lee YS, Rah DK, Park TH. *The Protective Effects of Botulinum Toxin A Against Flap Necrosis After Perforator Twisting and Its Underlying Molecular Mechanism in a Rat Model*. Ann Plast Surg. 2016 Aug;77(2):242-8. doi: 10.1097/SAP.0000000000000563

[Journal link](#)

[Pubmed link](#)

---

## THORACIC SURGERY

---

### **Presentations**

*7th International Thymic Malignancy Interest Group Annual Meeting,, Septempber 15-17, 2016, San Francisco*

Singh G, Lamber D, Vandenberg J, Bacchetta M, Gorenstein L, Ginsburg M, Sonett J.  
Non Myasthenic Autoimmune Diseases Associated with Thymoma — A Single Institutional Experience.

### **Publications**

Singh G, Coffey A, Neely R, Lambert D, Sonett J, Borczuk AC, Gorenstein L.  
*Pulmonary Kirsten Rat Sarcoma Virus Mutation Positive Mucinous Adenocarcinoma Arising in a Congenital Pulmonary Airway Malformation, Mixed Type 1 and 2.* Ann Thorac Surg. 2016 Oct;102(4):e335-e337. doi: 10.1016/j.athoracsur.2016.01.104.

[Journal link](#)

[Pubmed link](#)

---

Columbia University  
Department of Surgery  
630 West 168th Street  
Box 94  
New York, NY 10032  
[info@columbiasurgery.org](mailto:info@columbiasurgery.org)

