



COLUMBIA UNIVERSITY

*College of Physicians  
and Surgeons*



ColumbiaDoctors | *Surgery*

Dear Faculty,

Since the first of the year, our clinicians and researchers have made significant contributions to breast and cardiac surgery, physician education, immunology and transplantation, pediatric, plastic and vascular 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 on your grants, publications, and presentations by the first of every month.

Remember, journal links may require subscriptions or a log-in through the Columbia library while PubMed links are accessible to all.

For easy reference, we now post all issues of this [newsletter](#) on the Center for Innovations and Outcomes Research website.

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

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## **BREAST SURGERY**

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### **Publications**

Manahan MA, Wooden WA, Becker SM, Cacioppo JR, Edge SB, Grandinetti AC, Gray DD, Holley SO, Karp NS, Kocak E, Rao R, Rosson GD, Schwartz JS, Sitzman TJ, Soltanian HT, TerKonda SP, Wallace AM. Evidence-Based Performance Measures: Quality Metrics for the Care of Patients Undergoing Breast Reconstruction. *Plast Reconstr Surg*. 2017 Dec;140(6): 775e-781e

[Journal link](#)

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## CARDIAC SURGERY

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### Presentations

*54th Annual Meeting of the Society of Thoracic Surgeons  
Fort Lauderdale, Florida, January 27-31, 2018*

Ando MA , Takeda K, Kurlansky PA , Wright MA, Lee CL, Han J, Garan AR1, Topkara Yuzefpolskaya MY, Colombo P, Farr M, Naka Y, Takayama H. Impact of Sharing Adult Blood Type O Donor Hearts With Non-O Recipients: Survival Simulation by Blood Type Using the United Network for Organ Sharing Registry and Markov Modeling.

Blitzer D, Stepes EH, Tchantchaleishvili V, Lou X, Chen P, Pattakos GS, Vardas PN. Risks and Rewards for the Expanding Role of Physician Extenders in Cardiothoracic Surgery: A National Survey.

### Publications

Ai L, Chen H, Lin V, Bapat VN. Rapid Deployment Aortic Valves Deliver Superior Hemodynamic Performance In Vitro. *Innovations (Phila)*. 2017 Sep/Oct;12(5):338-345.

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Bapat V, Rajagopal V, Meduri C, Farivar RS, Walton A, Duffy SJ, Gooley R, Almeida A, Reardon MJ, Kleiman NS, Spargias K, Pattakos S, Ng MK, Wilson M, Adams DH, Leon M, Mack MJ, Chenoweth S, Sorajja P; Intrepid Global Pilot Study Investigators. Early Experience With New Transcatheter Mitral Valve Replacement. *J Am Coll Cardiol*. 2018 Jan 2;71(1):12-21.

[Journal link](#)

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Bapat V. Technical pitfalls and tips for the valve-in-valve procedure. *Ann Cardiothorac Surg*. 2017 Sep;6(5):541-552.

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Bonaros N, Kofler M, Frank D, Cocchieri R, Jagielak D, Aiello M, Lapeze J, Laine M, Chocron S, Muir D, Eichinger W, Thielmann M, Labrousse L, Bapat V, Rein KA, Verhoye JP, Gerosa G, Baumbach H, Deutsch C, Bramlage P, Thoenes M, Romano M. Balloon-expandable transaortic transcatheter aortic valve implantation with or without predilation. *J Thorac Cardiovasc Surg*. 2017 Nov 2. pii: S0022-5223(17)32400-5. doi: 10.1016/j.jtcvs.2017.10.071.

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Driesbaugh KH, Branchetti E, Grau JB, Keeney SJ, Glass K, Oyama MA, Rioux N, Ayoub S, Sacks MS, Quackenbush J, Levy RJ, Ferrari G. Serotonin receptor 2B signaling with interstitial cell activation and leaflet remodeling in degenerative mitral regurgitation. *J Mol Cell Cardiol.* 2017 Dec 30;115:94-103.

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Fukuhara S, Takeda K, Kurlansky PA, Naka Y, Takayama H. Extracorporeal membrane oxygenation as a direct bridge to heart transplantation in adults. *J Thorac Cardiovasc Surg.* 2017 Dec 21. pii: S0022-5223(17)33002-7. doi: 10.1016/j.jtcvs.2017.10.152. [Epub ahead of print]

[Journal link](#)

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Kodali SK, Bapat VN. Valve in Valve for Failed Surgical Bioprostheses: Not for Everyone! *JACC Cardiovasc Interv.* 2018 Jan 22;11(2):142-144.

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Nakagawa S, Hua M, Takayama H. Who is not comfortable with the term “palliative care” – patient, family or surgeon? *J Thorac Cardiovasc Surg.* Accepted Date: 6 January 2018; DOI: 10.1016/j.jtcvs.2018.01.004

[Journal link](#)

Salna M, Takeda K, Kurlansky P, Ikegami H, Fan L, Han J, Stein S, Topkara V, Yuzefpolskaya M, Colombo PC, Karpaliotis D, Naka Y, Kirtane AJ, Garan AR, Takayama H. The influence of advanced age on venous-arterial extracorporeal membrane oxygenation outcomes. *Eur J Cardiothorac Surg.* 2018 Jan 22. doi: 10.1093/ejcts/ezx510. [Epub ahead of print]

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van Gils L, Wöhrle J, Hildick-Smith D, Bleiziffer S, Blackman DJ, Abdel-Wahab M, Gerckens U, Brecker S, Bapat V, Modine T, Soliman OI, Nersesov A, Allocco D, Falk V, Van Mieghem NM. Importance of Contrast Aortography With Lotus Transcatheter Aortic Valve Replacement: A Post Hoc Analysis From the RESPOND Post-Market Study. *JACC Cardiovasc Interv.* 2018 Jan 22;11(2):119-128.

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**EDUCATION**

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## Publications

Logghe HJ, Boeck MA, Gusani NJ, Hardaway JC, Hughes KA, Mouawad NJ, Kulaylat AN, Hoffman RL, Turner P, Jones C, Leichtle SW. Best Practices for Surgeons' Social Media Use: Statement of the Resident and Associate Society of the American College of Surgeons. *J Am Coll Surg*. 2017 Dec 7. pii: S1072-7515(17)32123-3.

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Boeck MA, Callese TE, Nelson SK, Schuetz SJ, Fuentes Bazan C, Saavedra Laguna JMP, Shapiro MB, Issa NM, Swaroop M. The development and implementation of a layperson trauma first responder course in La Paz, Bolivia: A pilot study. *Injury*. 2017 Nov 22. pii: S0020-1383(17)30814-8.

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## IMMUNOLOGY/TRANSPLANTATION

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### Publications

Sahara H, Sekijima M, Ariyoshi Y, Kawai A, Miura K, Waki S, Nathan L, Tomita Y, Iwanaga T, Nakano K, Matsunari H, Date H, Nagashima H, Shimizu A, Yamada K. Effects of carbon monoxide on early dysfunction and microangiopathy following GalT-KO porcine pulmonary xenotransplantation in cynomolgus monkeys. *Xenotransplantation*. 2017 Oct 25. doi: 10.1111/xen.12359. [Epub ahead of print]

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Vallabhajosyula P, Hirakata A, Weiss M, Griesemer A, Shimizu A, Hong H, Habbertheuer A, Tchishopashvili V, Yamada K, Sachs DH. Effect of the Diabetic State on Islet Engraftment and Function in a Large Animal Model of Islet-Kidney Transplantation. *Cell Transplant*. 2017 Nov;26(11):1755-1762. doi: 10.1177/0963689717732993.

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Yamada K, Shah JA, Tanabe T, Lanaspá MA, Johnson RJ. Xenotransplantation: Where

Are We with Potential Kidney Recipients? Recent Progress and Potential Future Clinical Trials. *Curr Transplant Rep.* 2017 Jun;4(2):101-109.

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## PEDIATRIC SURGERY

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### Publications

Shieh HF, Ahmed A, Tracy SA, Zurakowski D, Fauza DO. Fetal bone marrow homing of donor mesenchymal stem cells after transamniotic stem cell therapy (TRASCET). *J Pediatr Surg.* 2017 Oct 12. pii: S0022-3468(17)30655-3. doi: 10.1016/j.jpedsurg.2017.10.033. [Epub ahead of print]

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Shieh HF, Smithers CJ, Hamilton TE, Zurakowski D, Rhein LM, Manfredi MA, Baird CW, Jennings RW. Posterior tracheopexy for severe tracheomalacia. *J Pediatr Surg.* 2017 Jun;52(6):951-955. doi: 10.1016/j.jpedsurg.2017.03.018. Epub 2017 Mar 18.

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## PLASTIC SURGERY

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### Presentations

*Annual meeting of the American Society for Reconstructive Microsurgery  
Phoenix, Arizona, January 2018*

Ballestin A, Najjar M, Akelina Y, Naides A, Noland R, Harb A, Levi M, Blackburn C, Ascherman J. Rat model for chronic lymphedema and treatment.

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## VASCULAR SURGERY

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## **Presentations**

*Current and Future Technology Trans-Catheter Interventions Annual Meeting*  
Denver Colorado, October 31, 2017

Patel V, Fenestrated EVAR.

*Veith International Symposium*  
New York, November 14-16, 2017

Patel, V. Favorable Impact of Early TEVAR on 5-year Survival of Patients with Uncomplicated Type B Aortic Dissection.

Patel, V. Ch/EVAR and F/EVAR For Complex AAA Have Comparable Results

*Northwestern Vascular Symposium*  
Chicago, December 9, 2017

Patel, V. Open Repair of Thoracoabdominal Aortic Aneurysms.

## **Publications**

Deery SE, Lancaster RT, Gubala AM, O'Donnell TFX, Kwolek CJ, Conrad MF, Cambria RP, Patel VI. Early experience with fenestrated endovascular compared to open repair of complex abdominal aortic aneurysms in a high-volume open aortic center. *Ann Vasc Surg.* 2017 Dec 5. pii: S0890-5096(17)31125-1.

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Patel PB, LaMuraglia GM, Lancaster RT, Clouse WD, Kwolek CJ, Conrad MF, Cambria RP, Patel VI. Severe contralateral carotid stenosis or occlusion does not impact risk of ipsilateral stroke following carotid endarterectomy. *J Vasc Surg.* 2017 Dec 11. pii: S0741-5214(17)32387-X.

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Schwartz SI, Durham C, Clouse WD, Patel VI, Lancaster RT, Cambria RP, Conrad MF. Predictors of late aortic interventions in patients with medically treated type B aortic dissection. *J Vasc Surg.* 2018 Jan;67(1):78-84.

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