

Dear Colleague,

In 2019, we added two new disciplines to our faculty newsletter, hernia surgery and palliative care, and are pleased to include their recent accomplishments in this issue.

I would also like to call your attention to the robust contributions of our cardiac and thoracic surgeons at the January 2019 meeting of the Society of Thoracic Surgeons in San Diego. More below.

This report is a valuable resource for the department, so 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.

A reminder: journal links may require subscriptions or a log-in through the Columbia library while PubMed links are accessible to all. Where there is only a journal link, the paper has not yet been downloaded to PubMed.

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  
Chairman, Department of Surgery

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## **SAMANTHA NEMETH JOINS CIOR**

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The Department of Surgery welcomes Samantha Nemeth to the Center for Innovation and Outcomes Research. Ms. Nemeth received her bachelor's degree in Neuroscience from William and Mary and her MPH and Masters in Statistics from Columbia University. With a background in health care management and biostatistics, she uses data to effect meaningful change

in hospital processes and clinical care pathways.

Since 2011, she has worked at Columbia HeartSource and now serves a dual role in both Columbia HeartSource and the Center for Innovation and Outcomes Research (CIOR). As the Senior Analyst for HeartSource, Ms. Nemeth applies her expertise in the American College of Cardiology, Society of Thoracic Surgery, and New York State Department of Health registry data to develop reports and ensure data quality. As a biostatistician for CIOR, her extensive experience with these datasets (both structure and definitions) has led to collaborative utilization of these resources for research.



*Samantha Nemeth*

Ms. Nemeth looks forward to working with all divisions within the Department of Surgery, and is available to help with outlining how to best collect data, create posters and reports, analyze data, and write manuscripts.

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## **CONGRATULATIONS**

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Donna Farber, PhD has received funding from the NIH/NHLBI for Immunobiology and Alveolar Physiology of the Aging Lung. She will be principal investigator, MPI with Jahar Bhattacharya, MD.

12/20/2018 - 12/19/2022

U01 HL145547-01

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## **BREAST SURGERY**

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### **Presentations**

*Southwestern Gynecologic Assembly, 53rd Annual Meeting  
Dallas, TX, December 1-3, 2018*

## Publications

Gartrell RD, Marks DK, Rizk EM, Bogardus M, Gérard CL, Barker LW, Fu Y, Esancy CL, Li G, Ji J, Rui S, Ernstoff MS, Taback B, Pabla S, Chang R, Lee SJ, Krolewski JJ, Morrison C, Saenger YM. Validation of Melanoma Immune Profile (MIP), a Prognostic Immune Gene Prediction Score for Stage II-III Melanoma. *Clin Cancer Res*. 2019 Jan 15. pii: clincanres.2847.2018. doi: 10.1158/1078-0432.CCR-18-2847.

[Journal link](#)

[PubMed Link](#)

Wright JD, Chen L, Accordino M, Taback B, Ananth CV, Neugut AI, Hershman DL. Regional Market Competition and the Use of Immediate Breast Reconstruction After Mastectomy. *Ann Surg Oncol*. 2019 Jan;26(1):62-70. doi: 10.1245/s10434-018-6825-7.

[Journal link](#)

[PubMed link](#)

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## CARDIAC SURGERY

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### Presentations

*55th Annual Meeting of the Society of Thoracic Surgeons  
San Diego, CA, January 27-29, 2019*

Isaac George: Tech-Con Adult Cardiac Track I— New Technologies in Ischemic, Heart Failure, and Atrial Fibrillation Surgery-- Treating Heart Failure With MitraClips: Is It Ready for Prime Time?

Course Director: Essentials of TAVR.

Syed T. Raza: “Shark Tank” – Rapid and Leakproof Aortic Anastomosis Stapler.

Blitzer D, Guariento A, Shin B, Moskowitsova K, Ramirez-Barbieri G, Orfani A, del Nido PJ, McCully JD. Delayed Mitochondrial Transplantation by Intracoronary Injection for Myocardial Salvage After Ischemia Reperfusion Injury.

Kari FA, Bohnens H, Bierbach BO, Bacha EA, Stiller B, Bauer U. Complex Transposition Repair: Up to 30 Years of Follow-Up.

LaPar DJ, Chave M, Borisuk MJ, Emani SM, Kaza AK, del Nido PJ, Friedman KG, Baird CW. Definitive Repair of Neonatal Complete Atrioventricular Canal Defects in the Modern Surgical Era.

Zenilman AL, Blitzer D, Anderson BR, Kalfa DM, Chai PJ, Bacha EA, LaPar DJ. Williams Syndrome: A 24-Year, Single-Institution Evaluation of Outcomes and Risk of Long-Term Reintervention.

### **Publications**

Allen KB, Icke KJ, Thourani VH, Naka Y, Grubb KJ, Grehan J, Patel N, Guy TS, Landolfo K, Gerdisch M, Bonnell M. Sternotomy closure using rigid plate fixation: a paradigm shift from wire cerclage. *Ann Cardiothorac Surg*. 2018 Sep;7(5):611-620. doi: 10.21037/acs.2018.06.01.

[Journal link](#)

[PubMed link](#)

Blackstone EH, Chang HL, Rajeswaran J, Parides MK, Ishwaran H, Li L, Ehrlinger J, Gelijns AC, Moskowitz AJ, Argenziano M, DeRose JJ Jr, Couderc JP, Balda D, Dagenais F, Mack MJ, Ailawadi G, Smith PK, Acker MA, O 'Gara PT, Gillinov AM; Cardiothoracic Surgical Trials Network Investigators. Biatial maze procedure versus pulmonary vein isolation for atrial fibrillation during mitral valve surgery: New analytical approaches and end points. *J Thorac Cardiovasc Surg*. 2019 Jan;157(1):234-243.

[Journal link](#)

[PubMed link](#)

Coromilas EJ, Takeda K, Ando M, Cevasco M, Green P, Karpaliotis D, Kirtane A, Topkara VK, Yuzefpolskaya M, Takayama H, Naka Y, Burkhoff D, Colombo PC, Garan AR. Comparison of Percutaneous and Surgical Right Ventricular Assist Device Support After Durable Left Ventricular Assist Device Insertion. *J Card Fail*. 2018 Dec 22. pii: S1071-9164(18)31381-2. doi: 10.1016/j.cardfail.2018.12.005.

[Journal link](#)

[PubMed link](#)

Farooqi KM, Cooper C, Chelliah A, Saeed O, Chai PJ, Jambawalikar SR, Lipson H, Bacha EA, Einstein AJ, Jorde UP. 3D Printing and Heart Failure: The Present and the Future. *JACC Heart Fail*. 2018 Dec 10. pii: S2213-1779(18)30716-9. doi: 10.1016/j.jchf.2018.09.011.

[Journal link](#)

[PubMed link](#)

Hahn RT, George I, Kodali SK, Nazif T, Khaliq OK, Akkoc D, Kantor A, Vahl TP, Patel A, Elias E, Ng V, Spina R, Bartus K, Velagapudi P, Wu I, Leon M, Bapat V. Early Single-Site Experience With Transcatheter Tricuspid Valve Replacement. *JACC*

*Cardiovasc Imaging*. 2018 Dec 12. pii: S1936-878X(18)30852-0. doi: 10.1016/j.jcmg.2018.08.034.

[Journal link](#)

[PubMed link](#)

Hannan El, Samadashvili Z, Smith CR, Lahey SJ, Gold JP, Jordan D, Sundt TM, Girardi L, Ashraf MH, Chikwe J. Mitral valve repair versus replacement for patients with preserved left ventricular function without heart failure symptoms. *J Thorac Cardiovasc Surg*. 2018 Sep 26. pii: S0022-5223(18)32485-1. doi: 10.1016/j.jtcvs.2018.08.091.

[Journal link](#)

[PubMed link](#)

Kalfa D, LaPar D, Chai P, Bacha E. Aortic valve neocuspidization: A bright future in pediatric aortic valve surgery? *J Thorac Cardiovasc Surg*. 2019 Feb;157(2):728. doi: 10.1016/j.jtcvs.2018.10.050.

[Journal link](#)

[PubMed link](#)

Langer NB, Takayama H. Thinking outside the (cardiac) box. *J Thorac Cardiovasc Surg*. 2018 Nov 27. pii: S0022-5223(18)33165-9. doi: 10.1016/j.jtcvs.2018.11.051.

[Journal link](#)

[PubMed link](#)

McElhinney DB, Aboulhosn JA, Dvir D, Whisenant B, Zhang Y, Eicken A, Ribichini F, Tzifa A, Hainstock MR, Martin MH, Kornowski R, Schubert S, Latib A, Thomson JDR, Torres AJ, Meadows J, Delaney JW, Guerrero ME, Salizzoni S, El-Said H, Finkelstein A, George I, Gewillig M, Alvarez-Fuente M, Lamers L, Cheema AN, Kreutzer JN, Rudolph T, Hildick-Smith D, Cabalka AK; VIVID Registry. Mid-Term Valve-Related Outcomes After Transcatheter Tricuspid Valve-in-Valve or Valve-in-Ring Replacement. *J Am Coll Cardiol*. 2019 Jan 22;73(2):148-157. doi: 10.1016/j.jacc.2018.10.051.

[Journal link](#)

[PubMed link](#)

Nakagawa S, Garan AR, Takeda K, Takayama H, Topkara VK, Yuzefpolskaya M, Yuill L, Lin SX, Colombo PC, Naka Y, Blinderman CD. Palliative Care Consultation in Cardiogenic Shock Requiring Short-Term Mechanical Circulatory Support: A Retrospective Cohort Study. *J Palliat Med*. 2019 Jan 7. doi: 10.1089/jpm.2018.0393.

[Journal link](#)

[PubMed link](#)

Sorajja P, Bapat V. Early experience with the Intrepid system for transcatheter mitral valve replacement. *Ann Cardiothorac Surg*. 2018 Nov;7(6):792-798. doi: 10.21037/acs.2018.10.03.

[Journal link](#)

[PubMed link](#)

Zhao Q, Wang L, Kurlansky PA, Schein J, Baser O, Berger JS. Cardiovascular outcomes among elderly patients with heart failure and coronary artery disease and without atrial fibrillation: a retrospective cohort study. *BMC Cardiovasc Disord*. 2019 Jan 15;19(1):19. doi: 10.1186/s12872-018-0991-1.

[Journal link](#)

[PubMed link](#)

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## COLON AND RECTAL SURGERY

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### Publications

Al-Mazrou AM, Kiely JM, Kiran RP. Epidural analgesia in the era of enhanced recovery: time to rethink its use? *Surg Endosc*. 2018 Oct 23. doi: 10.1007/s00464-018-6505-5.

[Journal link](#)

[PubMed link](#)

de Lacy FB, Keller DS, Martin-Perez B, Emile SH, Chand M, Spinelli A, Lacy AM. The current state of the transanal approach to the ileal pouch-anal anastomosis. *Surg Endosc*. 2019 Jan 23. doi: 10.1007/s00464-019-06674-5.

[Journal link](#)

[PubMed link](#)

Hyde LZ, Valizadeh N, Al-Mazrou AM, Kiran RP. ACS-NSQIP risk calculator predicts cohort but not individual risk of complication following colorectal resection. *Am J Surg*. 2018 Nov 28. pii: S0002-9610(18)31196-6. doi: 10.1016/j.amjsurg.2018.11.017.

[Journal link](#)

[PubMed link](#)

Navaneethan U, Zhu X, Lourdasamy D, Lourdasamy V, Shen B, Kiran R. Colorectal cancer resection rates in patients with inflammatory bowel disease: a population-based study. *Gastroenterol Rep (Oxf)*. 2018 Nov;6(4):263-269. doi:

10.1093/gastro/goy030.

[Journal link](#)

[PubMed link](#)

Raskin ER, Keller DS, Gorrepati ML, Akiel-Fu S, Mehendale S, Cleary RK. Propensity-Matched Analysis of Sigmoidectomies for Diverticular Disease. *JSLs*. 2019 Jan-Mar;23(1). pii: e2018.00073. doi: 10.4293/JSLs.2018.00073.

[Journal link](#)

[PubMed link](#)

Toledano S, Sackey J, Willcutts K, Parrott JS, Tomesko J, Al-Mazrou AM, Kiran RP, Brody RA. Exploring the Differences Between Early and Traditional Diet Advancement in Postoperative Feeding Outcomes in Patients With an Ileostomy or Colostomy. *Nutr Clin Pract*. 2019 Jan 28. doi: 10.1002/ncp.10245.

[Journal link](#)

[PubMed link](#)

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## HERNIA SURGERY

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### Publications

Martin-Del-Campo LA, Miller HJ, Elliott HL, Novitsky YW. Laparoscopic ventral hernia repair with and without defect closure: comparative analysis of a single-institution experience with 783 patients. *Hernia*. 2018 Dec;22(6):1061-1065. doi: 10.1007/s10029-018-1812-2.

[Journal link](#)

[PubMed link](#)

Novitsky YW, Belyansky I. Discussion: Anterior versus Posterior Component Separation: Which Is Better? *Plast Reconstr Surg*. 2018 Sep;142(3S Current Concepts in Abdominal Wall Reconstruction):56S-57S. doi: 10.1097/PRS.0000000000004880.

[Journal link](#)

[PubMed link](#)

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## IMMUNOLOGY/TRANSPLANTATION SURGERY

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## Publications

Connors, T.J., Baird, J. S., Yopes, M.C., Zens, K.D., Pethe, K., Ravindranath, T., Ho, S.-H. and Farber, D.L. (2018) Developmental regulation of effector and resident memory T cell generation during pediatric viral respiratory tract infection. *J. Immunol.* 201: 432-439.

[Journal link](#)

[PubMed link](#)

Kumar, B.V., Kratchmarov, R., Miron, M., Carpenter, D., Senda, T., Lerner, H., Friedman, A., Reiner, S.L. and Farber, D.L. (2018) Functional heterogeneity of human tissue resident memory T cells based on dye efflux capacities. *JCI Insight.* 3: 123568. doi: 10.1172/jci.insight.123568.

[Journal link](#)

[PubMed link](#)

Miron, M., Kumar, B.V., Meng, W., Granot, T., Carpenter, D., Senda, T., Chen, D., Rosenfeld, A., Zhang, B., Lerner, H., Friedman, A., Hershberg, U., Shen, Y., Rahman, A., Luning Prak, E.T., Farber, D.L. (2018) Human lymph nodes maintain TCF-1hi memory T cells with high functional potential and clonal diversity throughout life. *J. Immunol.* 201:2132-2140.

[Journal link](#)

[PubMed link](#)

Senda, T., Dogra, P., Granot, T., Furuhashi, K., Snyder, M.E., Carpenter, D.J., Szabo, P.A., Thapa, P., Miron, M., and Farber, D.L. (2018) Microanatomical dissection of human intestinal T cell immunity reveals site-specific changes in gut-associated lymphoid tissues over life. *Mucosal Immunology.* Epub ahead of print. 10.1038/s41385-018-0110-8

[Journal link](#)

[PubMed link](#)

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## PALLIATIVE CARE SURGERY

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### Publications

Singh R, Hwang F, Berlin A, Pentakota SR, Singh R, Chernock B, Mosenthal AC. Patients with End-Stage Renal Disease and Acute Surgical Abdomen: Opportunities for Palliative Care. *J Palliat Med.* 2019 Jan 10. doi: 10.1089/jpm.2018.0352.



[Journal link](#)

[PubMed link](#)

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## PEDIATRIC SURGERY

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### Publications

Okochi S, Cheung EW, Barton S, Zenilman A, Shakoor A, Street C, Streltsova S, Chan C, Brewer MP, Middlesworth W. An Analysis of Risk Factors for Hemolysis in Children on Extracorporeal Membrane Oxygenation. *Pediatr Crit Care Med*. 2018 Nov;19(11):1059-1066. doi: 10.1097/PCC.0000000000001699.

[Journal link](#)

[PubMed link](#)

Okochi S, Shakoor A, Barton S, Zenilman AR, Street C, Streltsova S, Cheung EW, Middlesworth W, Bain JM. Prevalence of Seizures in Pediatric Extracorporeal Membrane Oxygenation Patients as Measured by Continuous Electroencephalography. *Pediatr Crit Care Med*. 2018 Dec;19(12):1162-1167. doi: 10.1097/PCC.0000000000001730.

[Journal link](#)

[PubMed link](#)

Shieh HF, Tracy SA, Hong CR, Chalphin AV, Ahmed A, Rohrer L, Zurakowski D, Fauza DO. Transamniotic stem cell therapy (TRASCET) in a rabbit model of spina bifida. *J Pediatr Surg*. 2018 Nov 5. pii: S0022-3468(18)30746-2. doi: 10.1016/j.jpedsurg.2018.10.086.

[Journal link](#)

[PubMed link](#)

Tam SF, Mobargha A, Tobias J, Schad CA, Okochi S, Middlesworth W, Duron V. Pressure ulcers in pediatric patients on extracorporeal membrane oxygenation. *Int Wound J*. 2018 Dec 2. doi: 10.1111/iwj.13049.

[Journal link](#)

[PubMed link](#)

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## THORACIC SURGERY

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### Presentations

*AATS International Thoracic Surgical Oncology Summit*

*New York, NY, October 12-13, 2018*

Stanifer BP, Tandon RT, Saqi A, D'Ovidio F, R. Sonett JR. Gender, Smoking, and Lung Cancer: Times Are Changing.

*55th Annual Meeting of the Society of Thoracic Surgeons*

*San Diego, CA, January 27-29, 2019*

Joshua R. Sonett: How-to Video Session: General Thoracic.

Thoracoscopic Thymectomy for Non-Thymomatous Myasthenia Gravis.

Brodeerick SR, Grau-Sepulveda MV, Kosinski AS, Kurlansk PA, Shahian DM, Jacobs JP, Becker S, Seder CW, Brown LM, Magee M, Raymond DP, Grogan EL, Puri V, DeCamp MM, Chang AC, Kozower B. STS Composite Score Rating for Pulmonary Resection for Lung Cancer.



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