

Dear Colleague,

I'd like to wish you all a happy holiday season and congratulate you on a year of impressive accomplishments.

In this issue, we highlight our many contributions to the American Heart Association meeting in Chicago, Obesity Week in Nashville, and the Northeastern Society of Plastic Surgeons, and presentations elsewhere on renal transplantation, pediatric trauma, thoracic and vascular surgery.

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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## NEW FACULTY

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Please join us in welcoming Dr. Yuming Ning to the Department of Surgery. A native of Kaohsiung, Taiwan, Dr. Ning received his master's degree in probability and statistics from Northern Illinois University and his doctorate from SUNY Stony Brook. For more than 20 years, Dr. Ning has focused on medical and population research. He has served as a research statistician for the



Department of Population Medicine of Mount Sinai School of Medicine, Assistant Professor at the New York University School of Medicine, Associate Research Scientist for the Aging Program at Yale School of Medicine, and, most recently, Senior Biostatistician/ Assistant Professor in the Division of General Internal Medicine at Montefiore Medical Center/ Albert Einstein College of Medicine.

Dr. Yuming Ning

A reviewer for many journals, Dr. Ning has particular expertise in statistical informatics and data mining, hierarchical and mixed modeling and statistical computing and simulation. He joins the Center for Innovation and Outcomes Research as Assistant Professor of Surgery and Senior Statistician.

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## BASIC SCIENCE

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### Publications

Thomsen ARB, Jensen DD, Hicks GA, Bunnett NW. Therapeutic Targeting of Endosomal G-Protein-Coupled Receptors. *Trends Pharmacol Sci.* 2018 Oct;39(10):879-891.

[Journal link](#)

[PubMed link](#)

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## CARDIAC SURGERY

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### Presentations

*American Heart Association Scientific Sessions*  
*Chicago, November 10, 2018*

Bayne J, Rubin GA, Takayama H, Takeda K, Naka Y, Farr M, Givens R, Wan EY. Increased Kidney Injury in Black Patients After Cardiac Transplant.

Frasca A, Keeney S, Lee S, Bavaria JE, Gorman RC, Levy RJ, Ferrari G. Advanced Glycation End Products and the Pathophysiology of Bioprosthetic Heart Valve Structural Degeneration.

Gaudig A, Zuver A, Pinsino A, Naka Y, Takeda K, Garan AR, Topkara VK, Yuzefpolskaya M, Colombo PC, Wiley JZ. Pulse Pressure and Mean Arterial Pressure Are Not Associated With Hemorrhagic Adverse Events in Left Ventricular Assist

Device Patients.

Grady KL, Okwuosa I, Petty M, Adam H, Pollan L, Andrei AC, Kao A, Pham DT, Yancy C, Dew MA, Kormos R, Hsich E, Cotts W, LaRue S, Pamboukian SV, Pagani FD, Lampert B, Johnson M, Murray M, Takeda K, Yuzefpolskaya M, Spertus J, Kirklin JK, Collum SC, Anderson AS. Sustaining Quality of Life of the Aged: Transplant or Mechanical Support: Baseline Caregiver Quality of Life.

Imamura T, Ono M, Fukushima N, Kinugawa K, Shiose A, Marsui Y, Yamazaki K, Saiki Y, Usui A, Niinami H, Matsumiya G, Arai H, Sawa Y, Kim G, Sayer G, Naka Y, Jeevandam V, Uriel.

Comparison in Hemocompatibility-Related Adverse Events in Patients Supported With Left Ventricular Assist Device Between Japan and United States.

Kennel PJ, Liao X, Ji R, Zhang X, Castillero E, Brunjes D, Takayama H, Naka Y, Thomas T, George I, Mancini D, Schulze C. Suppression of the Amino Acid Carrier SLC1A5 in Failing Myocardium Results in Decreased Glutamine Levels and Induction of Autophagy.

LaPar D, Haddad EA, Chai PJ, Kalfa D, Levasseur S, Lewis M, Rosenbaum M, Singh H, Ginns JN, Bacha E. A Single Center 25-Year Experience With the Ross Procedure in Over 200 Patients.

Nakanishi K, Homma S, Han J, Takayama H, Colombo P, Yuzefpolskaya M, Garan A, Farr M, Kurlansky P, Di Tullio M, Naka Y, Takeda K. Prevalence, Predictors and Prognostic Value of Residual Tricuspid Regurgitation in Patients With Left Ventricular Assist Device.

Nemeth S, Schnell S, Argenziano M, Kurlansky P. Time of Day Does Not Impact Outcome of Cardiac Surgery: Results from a diverse, multi-institutional cardiac surgery network.

Pinsino A, Royzman E, Mabasa M, Zuver AM, Gaudig AJ, Masoumi A, Rosenblum H, Leb J, Garan AR, Topkara VK, Takeda K, Takayama H, Naka Y, Radhakrishnan J, Giles JT. Serum Cystatin C is an Alternative Measure of Renal Function and is Superior to Serum Creatinine for Prediction of Adverse Events in Left Ventricular Assist Device Patients.

Siddiqui S, Anderson BR, LaPar DJ, Kalfa D, Chai P, Bacha E, Freud L. Effects of Body Mass Index, Race, and Payer on 1-Year Outcomes Following Congenital Heart Surgery.

Yuzefpolskaya M, Nasiri M, Pinsino A, Onat HD, Zuver AM, Nwokocha JK, Royzman EA, Mabasa M, Clemons AM, Castagna F, Garan AR, Brunjes DL, Takeda K,

Takayama H, Naka Y, Uhlemann AC, Colombo PC. Preoperative Biomarkers of Inflammation and Oxidative Stress Predict Early Outcomes and Only Modestly Decline After Left Ventricular Assist Device Implantation: A Prospective Study.

### **Publications**

Langer N, Ando M, Simpson M, van Boxtel BS, Sorabella RA, Patel V, George I, Smith CR, Takayama H. Influence of left ventricular ejection fraction on morbidity and mortality after aortic root replacement. *J Cardiovasc Thorac Surg*, DOI: <https://doi.org/10.1016/j.jtcvs.2018.10.147>.

[Journal link](#)

Mulaikal TA, Pospishil L, George I, Bapat VN, Hahn RT. Surgically Assisted Transcatheter Balloon-Expandable Valve in Inferior Vena Cava for Torrential Tricuspid Regurgitation. *CASE (Phila)*. 2018 Jul 13;2(5):174-180. doi: 10.1016/j.case.2018.04.009. eCollection 2018 Oct.

[Journal link](#)

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Spina R, Khalique O, Kodali S, Bapat VN. Urgent transcatheter aortic valve replacement for severe acute aortic regurgitation following open mitral valve surgery. *Catheter Cardiovasc Interv*. 2018 Nov 8. doi: 10.1002/ccd.27954.

[Journal link](#)

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Truby LK, Garan AR, Givens RC, Wayda B, Takeda K, Yuzefpolskaya M, Colombo PC, Naka Y, Takayama H, Topkara VK. Aortic Insufficiency During Contemporary Left Ventricular Assist Device Support: Analysis of the INTERMACS Registry. *JACC Heart Fail*. 2018 Nov;6(11):951-960. doi: 10.1016/j.jchf.2018.07.012.

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Yoon SH, Whisenant BK, Bleiziffer S, Delgado V, Dhoble A, Schofer N, Eschenbach L, Bansal E, Murdoch DJ, Ancona M, Schmidt T, Yzeiraj E, Vincent F, Niikura H, Kim WK, Asami M, Unbehaun A, Hirji S, Fujita B, Silaschi M, Tang GH, Kuwata S, Wong SC, Frangieh AH, Barker CM, Davies JE, Lauten A, Deuschl F, Nombela-Franco L, Rampat R, Nicz PFG, Masson JB, Wijeyesundera HC, Sievert H, Blackman DJ, Gutierrez-Ibanes E, Sugiyama D, Chakravarty T, Hildick-Smith D, de Brito FS Jr, Jensen C, Jung C, Smalling RW, Arnold M, Redwood S, Kasel AM, Maisano F, Treede H, Ensminger SM, Kar S, Kaneko T, Pilgrim T, Sorajja P, Van Belle E, Prendergast BD, Bapat V, Modine T, Schofer J, Frerker C, Kempfert J, Attizzani GF, Latib A,

Schaefer U, Webb JG, Bax JJ, Makkar RR. Outcomes of transcatheter mitral valve replacement for degenerated bioprostheses, failed annuloplasty rings, and mitral annular calcification. *Eur Heart J*. 2018 Oct 23. doi: 10.1093/eurheartj/ehy590.

[Journal link](#)

[PubMed link](#)

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## GENERAL SURGERY

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### Publications

Nakagawa S, Berlin A, Blinderman CD. End-of-Life Preferences Should Be Discussed Routinely Before High-Risk Surgery. *J Palliat Med*. 2018 Nov 17. doi: 10.1089/jpm.2018.0570.

[Journal link](#)

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## GI/ENDOCRINE SURGERY

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### Publications

Elmously A, Gray KD, Michelassi F, Afaneh C, Kluger MD, Salemi A, Watkins AC, Pomp A. Operating Room Attire Policy and Healthcare Cost: Favoring Evidence Over Action for Prevention of Surgical Site Infections. *J Am Coll Surg*. 2018 Jul 5. pii: S1072-7515(18)30439-3. doi: 10.1016/j.jamcollsurg.2018.06.010.

[Journal link](#)

[PubMed link](#)

Kuo JH, Duh QY, Chen H, Lai V, Sorensen MJ, Chabot JA, Lee JA. The Evolving Practice Patterns of Academic Endocrine Surgeons: A Cross-sectional Analysis of the Faculty Practice Solutions Center Database 2014 to 2017. *Ann Surg*. 2018 Nov 6. doi: 10.1097/SLA.0000000000003067.

[Journal link](#)

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Lee D, Walker MD, Chen HY, Chabot JA, Lee JA, Kuo JH. Bone mineral density changes after parathyroidectomy are dependent on biochemical profile. *Surgery*. 2018

Oct 13. pii: S0039-6060(18)30508-7. doi: 10.1016/j.surg.2018.04.065.

[Journal link](#)

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## IMMUNOLOGY/TRANSPLANTATION SURGERY

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### Presentations

*American Society of Transplant Surgeons Laparoscopic Donor Nephrectomy Workshop  
Denver, CO, November 2-3, 2018*

Ratner, Lloyd E.

–Laparoscopic Live Donor Nephrectomy: Intra-operative Complications, and Difficult and Unusual Cases.

–Live Donor Deaths, Near Misses and a Systems Approach Towards Improving Safety.

*Indiana University, Transplant Grand Rounds  
Indianapolis, IN, November 2018*

Ratner, Lloyd E.

–Playing the Wild Card: How Policy Development Can Pertain to Metrics, Allocation, Organ Utilization, Access to Transplantation, and Innovation.

### Publications

Carpenter DJ, Chiles MC, Verna EC, Halazun KJ, Emond JC, Ratner LE, Mohan S. Deceased brain dead donor liver transplantation and utilization in the United States: nighttime and weekend effects. *Transplantation*. 2018 Nov 15. doi: 10.1097/TP.0000000000002533.

[Journal link](#)

[PubMed link](#)

Carpenter D, Husain SA, Brennan C, Batal I, Hall IE, Santoriello D, Rosen R, Crew RJ, Campenot E, Dube GK, Radhakrishnan J, Stokes MB, Sandoval PR, D'Agati V, Cohen DJ, Ratner LE, Markowitz G, Mohan S. Procurement Biopsies in the Evaluation of Deceased Donor Kidneys. *Clin J Am Soc Nephrol*. 2018 Oct 25. pii: CJN.04150418. doi: 10.2215/CJN.04150418.

[Journal link](#)

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Kumar BV, Kratchmarov R, Miron M, Carpenter DJ, Senda T, Lerner H, Friedman A, Reiner SL, Farber DL. Functional heterogeneity of human tissue-resident memory T cells based on dye efflux capacities. *JCI Insight*. 2018 Nov 15;3(22). pii: 123568. doi: 10.1172/jci.insight.123568.

[Journal link](#)

[PubMed link](#)

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## PEDIATRIC SURGERY

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### Presentations

*American College of Surgeons: Trauma Quality Improvement Program Annual Scientific Meeting*

*Anaheim, California, November 17, 2018*

Rubsam J, Zwarick J, Kim H, Newell A, Duron, Stylianos S. Follow-Up Care in Children with Head Injury: A Team Approach.

*Obesity Week*

*Nashville, TN Nov 11-15, 2018*

Griggs C, Perez N, Pratt JS. Slipped capital femoral epiphysis (SCFE) and Blount's disease as indicators for early metabolic surgery.

Liu J, Montalvan-Panzer M, Fennoy I, Baidal JAW, Lynch L, Ranish E, Sysko R, Zitsman.

The prevalence of co-morbidities in adolescents seeking sleeve gastrectomy.

Zitsman JL, DiGiorgi MF, Kopchinski JS, Sysko R, Lynch L, Devlin M, Fennoy I.

Adolescent gastric banding: a five-year longitudinal study in 137 individuals.

### Publications

Stylianos S. To save a child's spleen: 50 years from Toronto to ATOMAC. *J Pediatr Surg*. 2018 Oct 9. pii: S0022-3468(18)30644-4. doi: 10.1016/j.jpedsurg.2018.10.026.

[Journal link](#)

[PubMed link](#)

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## PLASTIC SURGERY

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## **Presentations**

*Northeastern Society of Plastic Surgeons, 36th Annual Meeting  
Boston, October 26-28, 2018*

Levy AS, Celie KB, Lin A, Rohde CH, Kutler DI, Reeve GW, Spector JA. Off the Hinge: Functional Restoration of Subtotal Hemimandibulectomy Defects Does Not Require Condylar Preservation.

Lee JC, Laifer-Narin S, Schlechtweg K, Booker W, Miller R, Ayyala R, Imahiyerobo T. A Comparison of Early and Late Prenatal MRI in the Diagnosis of Cleft Palate.

Bernstein JL, Fullerton N, Schlechtweg KA, Imahiyerobo TA. Pediatric Pain and Pain Management After Ambulatory Plastic Surgery: Trends in the Age of Opioid Awareness.

The following two posters tied for 2nd/3rd in the Best Poster Competition:

1. Levy A, Wright MA, Rohde CH. Efficacy of Biosynthetic Mesh in the Abdominal Donor Site Following Autologous Breast Reconstruction.
2. Levy A, Bogue J, Otterburn DM, Imahiyerobo TA, Rohde CH. Non-Permanent Mesh for Non-Midline Abdominal Wall Defects.

## **Publications**

Fu RH, Toyoda Y, Li L, Baser O, Rohde CH, Otterburn DM. Smoking and Postoperative Complications in Plastic and General Surgical Procedures: A Propensity Score-Matched Analysis of 294,903 Patients from the National Surgical Quality Improvement Program Database from 2005 to 2014. *Plast Reconstr Surg.* 2018 Dec;142(6):1633-1643. doi: 10.1097/PRS.0000000000005008.

[Journal link](#)

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## **THORACIC SURGERY**

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## **Presentations**

*Southern Thoracic Surgical Society  
Amelia Island, FL November 8th, 2018*

Ginsburg M, Singh G, Jellen P, Carrol M, Lambert D, Vandenberg J, Thomashow B, Sonett JR. Surgical Risk Functional Outcomes and Long Term Survival After Lung Volume Reduction Surgery: A 13 Year 120 Patient Single Center Experience.



## Publications

Mehta CK, Stanifer BP, Fore-Kosterski S, Gillespie C, Yeldandi A, Meyerson S, Odell DD, DeCamp MM, Bharat A. Primary Spontaneous Pneumothorax in Menstruating Women Has High Recurrence. *Ann Thorac Surg*. 2016 Oct;102(4):1125-30. doi: 10.1016/j.athoracsur.2016.04.069.

[Journal link](#)

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Stanifer BP, Andrei AC, Liu M, Meyerson SL, Bharat A, Odell DD, DeCamp MM. Short-Term Outcomes of Tracheal Resection in The Society of Thoracic Surgeons Database. *Ann Thorac Surg*. 2018 Dec;106(6):1612-1618. doi: 10.1016/j.athoracsur.2018.07.041

[Journal link](#)

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Stanifer BP, Ginsburg ME. Lung volume reduction surgery in the post-National Emphysema Treatment Trial era. *J Thorac Dis*. 2018 Aug;10(Suppl 23):S2744-S2747. doi: 10.21037/jtd.2018.05.135.

[Journal link](#)

[PubMed link](#)

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## VASCULAR SURGERY

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### Presentations

*Veith Symposium*

*New York, NY, November 13-17, 2018*

Patel V. More about juxta- and pararenal AAAS, F/B EVAR, TAAAS, new endografts, sandwich grafts and hybrid grafts.

Patel V. Debate. Not So: Many TAAAs Are Best Treated By Open Surgery: Technical Pearls To Improve Results.

### Publications

O'Donnell TFX, Boitano LT, Deery SE, Clouse WD, Siracuse JJ, Schermerhorn ML, Green R, Takayama H, Patel VI. Factors associated with postoperative renal dysfunction and the subsequent impact on survival after open juxtarenal abdominal aortic aneurysm repair. *J Vasc Surg*. 2018 Nov 23. pii: S0741-5214(18)32104-9. doi:

10.1016/j.jvs.2018.07.066. [Epub ahead of print]

[Journal link](#)

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Wlodarczyk JR, Thomas AS, Schroll R, Champion EM, Croyle C, Menaker J, Bradley M, Harvin JA, Collum ML, Cho J, Seamon MJ, Leonard J, Tiller M, Inaba K, Moore MM. To shunt or not to shunt in combined orthopedic and vascular extremity trauma. *J Trauma Acute Care Surg.* 2018 Dec;85(6):1038-1042.

[Journal link](#)

[PubMed link](#)



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