



COLUMBIA UNIVERSITY
Vagelos College of Physicians and Surgeons



ColumbiaDoctors | *Surgery*

Dear Colleague,

I'd like to commend Lloyd Ratner and the entire transplant team for performing NYP/Columbia's 5,000th kidney transplant. Story below.

We've had another month of robust contributions to conference and medical journals. I'd like to call your attention, in particular, to our achievements in Cardiac, Colorectal and GI/Endocrine surgery. Kudos to Deborah Keller for 12 presentations in April and May.

Please don't forget to mark your calendars for our [Third Annual Research Symposium](#) on June 13, 2019.

A general reminder: Journal links may require subscriptions or a log-in through the Columbia library while PubMed links are accessible to all.

This report is a valuable resource for the department, so please continue to email Paul Kurlansky (pk2245@columbia.edu) or me (crs2@cumc.columbia.edu) with regular updates on your grants, publications, and presentations by the first of every month.

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



COLUMBIA UNIVERSITY DEPARTMENT OF SURGERY 3RD ANNUAL RESEARCH SYMPOSIUM

INNOVATION • EXCELLENCE • VALUE

THURSDAY, JUNE 13, 2019

CONGRATULATIONS

Lloyd Ratner and transplantation service recently performed Columbia's 5,000th kidney transplant, a landmark achievement, since program's inception in 1969.

Here's a photo taken when Dr. Ratner pioneered the first laparoscopic donor nephrectomy at Johns Hopkins in 1995.



BASIC/TRANSLATIONAL SCIENCE

Publications

Fortier JH, Pizzarotti B, Shaw RE, Levy RJ, Ferrari G, Grau J. Drug-associated valvular heart diseases and serotonin-related pathways: a meta-analysis. *Heart*. 2019 May 25. pii: heartjnl-2018-314403. doi: 10.1136/heartjnl-2018-314403.

[Journal link](#)

[PubMed link](#)

BREAST SURGERY

Presentations

The American Society of Breast Surgeons Annual Meeting
Dallas, TX, May 4, 2019

Jambhekar, A.V., Prigoff, J., Dilone, J., Chen, M., Taback, B., Rao, R., Wiechmann, L. Limiting narcotics for breast cancer patients: a prospective study.

Jambhekar, A.V., Wong, A., Zaman, M., Fornari, M., Chen, M., Wiechmann, L., Rao, R., Taback, B. Lack of clinical utility for sentinel lymph node biopsy in contralateral prophylactic mastectomies with in situ carcinoma or atypia.

Jambhekar, A.V., Wong, A., Taback, B., Chen, M., Rao, R., Connolly, E., Wiechmann, L. Complication rates after intraoperative radiation therapy: do applicator size and distance to skin matter?

Publications

Ridner SH, Dietrich MS, Cowher MS, Taback B, McLaughlin S, Ajkay N, Boyages J, Koelmeyer L, DeSnyder SM, Wagner J, Abramson V, Moore A, Shah C. A Randomized Trial Evaluating Bioimpedance Spectroscopy Versus Tape Measurement for the Prevention of Lymphedema Following Treatment for Breast Cancer: Interim Analysis. *Ann Surg Oncol*. 2019 May 3. doi: 10.1245/s10434-019-07344-5.

[Journal link](#)

[PubMed link](#)

CARDIAC SURGERY

Presentations

Heart Valve Society Annual Meeting

Sitges, Spain, April 11-13, 2019

Blitzer D, LaPar D, Olds A, Ferris A, Solowiejczyk D, Snyder M, Chai P, Bacha E, Kalfa D. Aortic Valve Neocuspidization in a Pediatric Population: An Early Single Center Experience. Heart Valve Society Annual Meeting, Sitges, Spain, April 11-13, 2019.

Olds A, Kazzi B, Liava'a M, Crystal M, Torres A, LaPar D, Chai P, Bacha E, Kalfa D. Comparing Supraannular Melody Valve Implantation to Mechanical Valves for Pediatric Mitral Valve Replacement.

Tohme S, Jiang S, Shah A, Freud L, Ferrari G, Bacha E, Kalfa D. Ross Procedure in Neonate and Infant Populations: A Meta-analysis Review.

American Association for Thoracic Surgery, 99th Annual Meeting

Toronto, Canada, May 4-7, 2019

Ando M, Takayama H, Kurlansky PA, Garan AR, Topkara VK, Yuzefpolskaya M, Colombo PC, Farr M, Naka Y, Ono M, Takeda K. Contemporary Outcomes of Multiorgan Heart Transplantation in the United States - Are We Going in the Right Direction?

Bacha E. Management of Neoaortic Root Dilation After Arterial Switch Operation and Damus-Kaye-Stanzel.

Bacha EA. How I Do It: Pulmonary Valve Preserving Strategies.

Bacha EA. Reoperations in Adults with Previous Congenital Heart Surgery.

Bapat V. Transapical Mitral Valve Replacement.

Bapat VN. Transcatheter Mitral Valve-in-Ring.

Coselli JS, Preventza O, Malaisrie SC, Stewart A, Stelzer P, Roselli EE, Patel HJ, Gleason TG, Chen EP, Estrera A, Bavaria JE, Takayama H, Girardi LN, Fischbein MP, LeMaire SA. Hybrid Frozen Elephant Trunk Device for Transverse Aortic Arch Replacement: Early Results from a US IDE Trial.

Edelman J, Baron SJ, Arnold SV, Cohen DJ, Alu MC, Wang K, Zhang Z, Svensson LG, Kapadia S, Kodali S, George I, Makkar R, Bavaria JE, Szeto W, Hermann H, Babaliaro V, Shults C, Satler LF, Ailawadi G, Maniar H, Hahn RT, Leon MB, Mack MJ, Thourani VH. Impact of Peri-procedural Complications on Mortality and Cost After TAVR or SAVR: Results from the PARTNER 2A Randomized Trial.

George I. Hybrid Approaches to Combined Valvular and Coronary Disease.

George I, Emerging Transcatheter Therapies for Tricuspid Valve Disease.

Griffith BP, Bavaria J, Gammie JS, Heimansohn DA, Rozanski J, Bilewska A, Johnston D, Blackstone EH, Sadowski J, Bartus K, Girardi LN, Beaver T, Takayama H, Smith CR, Mumtaz MA, Halkos M, Rosengart T, Starnes V, Boateng P, Timek TA, Ryan W, Omar S, Svensson LG, Puskas JD. Intermediate-Term Outcomes of Aortic Valve Replacement with a Bioprosthetic Valve with a Novel Tissue.

Hozain HE, O'Neill JD, Tipograf Y, Pinezich MR, Cunningham KM, Queen DS, Guenthart B, Kim J, Vunjak-Novakovic G, Bacchetta M. Normothermic Maintenance of Extracorporeal Lung for Four Days Using Cross-Circulation with a Conscious Swine Host.

Klautz RJ, Dagenais F, Labrousse L, Bapat VN, Moron M, Misfeld M, Kappetein P, Sabik JF. Insights Into Medication Use and Bleeding Outcomes After Aortic Valve Replacement With a Novel Low-Profile Stented Bovine Pericardial Bioprosthesis: Three-Year Outcomes.

Leon MB, Mack MJ, Alu MC, Makkar R, Thourani VH, Kodali S, Kapadia S, Szeto WY, Russo M, Williams MR, Malaisrie C, Pibarot P, Goldman S, Webb J, Cohen DJ, Smith CR. The PARTNER 3 Low-Risk TAVR Trial: Detailed Analysis of Primary Endpoint Components and Key Secondary Endpoints.

Naka Y. When to Use Central Mechanical Support Devices.

Saha A, Kurlansky P, Ning Y, Sanchez J, Garan AR, Cevasco M, Witer LJ, Takayama H, Naka Y, Takeda K. Improving Outcomes of Venoarterial Extracorporeal Membrane Oxygenation in Post-Cardiotomy Shock: A 12-Year, Single-Center Analysis.

Sanchez JE, Garan AR, Kirtane A, Cevasco M, Kurlansky PA, Masoumi A, Brodie D, Karpaliotis D, Yuzefpolskaya M, Colombo P, Takayama H, Naka Y, Takeda K. Impact of a Multidisciplinary Shock Team on Extracorporeal Membrane Oxygenation Therapy in Cardiogenic Shock.

Smith CR, Moderator, AATS President's Master Class: Managing Complications After Valve Surgery.

Smith CR. Invited Discussant. Appropriateness of 30-Day Mortality Versus 90-Day Mortality as a Quality Metric for Surgical and Transcatheter Aortic Valve Replacement Outcomes.

*Pediatric Cardiology Society of Greater New York Annual Meeting
New York, May 28, 2019*

Al Haddad E, Blitzer D, Anderson B, Ferris A, Krishnan U, Freud L, Richmond M, Corda R, LaPar D, Chai P, Bacha E, Kalfa D. Outcomes and Predictors of Atrioventricular Valve Repair in Patients with Single-Ventricle Physiology.

Blitzer D, LaPar D, Olds A, Ferris A, Solowiejczk D, Freud L, Starc T, Snyder M, Chai P, Bacha E, Kalfa D. Aortic Valve Neocuspidization (Ozaki technique) in a Pediatric Population: An Early Single Center Experience.

Olds A, Blitzer D, Al hadda E, Kazzi B, Anderson B, Vincent J, Turner ME, Flynn P, Crystal MA, Torres A, Marans Z, LaPar D, Chai P, Bacha E, Kalfa D. A Comparison of the Ross Procedure and Prosthetic Aortic Valve Replacement in Children and Young Adults with Congenital Aortic Valve Disease in the Current Era.

Olds A, Kazzai B, Liava M, Crystal M, Torres A, LaPar D, Chai P, Bacha E, Kalfa D. Comparing Supraannular Melody Valve Implantation to Mechanical Valves for Pediatric Mitral Valve Replacement.

Tohme S, Jiang S, Shah A, Freud L, Ferrari G, Bacha E, Kalfa D. Ross Procedure in Neonate and Infant Populations: A Meta-analysis Review.

Publications

DeRose JJ Jr, Mancini DM, Chang HL, Argenziano M, Dagenais F, Ailawadi G, Perrault LP, Parides MK, Taddei-Peters WC, Mack MJ, Glower DD, Yerokun BA, Atluri P, Mullen JC, Puskas JD, O'Sullivan K, Sledz NM, Tremblay H, Moquete E, Ferket BS, Moskowitz AJ, Iribarne A, Gelijns AC, O'Gara PT, Blackstone EH, Gillinov AM; CTSN Investigators. Pacemaker Implantation After Mitral Valve Surgery With Atrial Fibrillation Ablation. *J Am Coll Cardiol*. 2019 May 21;73(19):2427-2435. doi: 10.1016/j.jacc.2019.02.062.

[Journal link](#)

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Dvir D, Bapat V. Feasibility of TAVR in Small Surgical Valves: Vive la Valve-in-Valve. *JACC Cardiovasc Interv*. 2019 May 27;12(10):933-935. doi: 10.1016/j.jcin.2019.04.003.

[Journal link](#)

[PubMed link](#)

George I, Kodali SK, Leon MB. Changing the Conversation to TAVR First!: Aftermath of the Low-Surgical Risk TAVR Studies. *JACC Cardiovasc Interv*. 2019 May 27;12(10):908-910. doi: 10.1016/j.jcin.2019.04.030.

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Gleason TG, Argenziano M, Bavaria JE, Kane LC, Coselli JS, Engelman RM, Tanaka KA, Awad A, Sekela ME, Zwischenberger JB. Hemoadsorption to Reduce Plasma Free Hemoglobin during Cardiac Surgery: Results of REFRESH I Pilot Study. *Semin Thorac Cardiovasc Surg*. 2019 May 11. pii: S1043-0679(19)30062-0. doi: 10.1053/j.semtcvs.2019.05.006.

[Journal link](#)

[PubMed link](#)

Kalfa D. Commentary: To valve, or not to valve-That is the stage I question. *J Thorac Cardiovasc Surg*. 2019 Apr 24. pii: S0022-5223(19)30889-X. doi: 10.1016/j.jtcvs.2019.03.109.

[Journal link](#)

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Sanchez JE, Takayama H, Ando M, Han J, Kurlansky P, Garan AR, Topkara VK, Farr M, Colombo PC, Naka Y, Takeda K. Outcomes of bridge to cardiac retransplantation in the contemporary mechanical circulatory support era. *J Thorac Cardiovasc Surg*. 2019 Feb 28. pii: S0022-5223(19)30525-2. doi: 10.1016/j.jtcvs.2019.01.135.

[Journal link](#)

[PubMed link](#)

COLORECTAL SURGERY

Presentations

ERAS Society World Congress

Liverpool, UK, May 1-3, 2019

Keller, DS. Faculty Invited Lecture: New Ways of Improving Outcomes in Rectal Cancer

SAGES Annual Conference 2019

Baltimore, MD, April 1-4, 2019

Keller, DS. Identifying the Ureter, Masters Left Colon: Practicalities, Tips and Tricks You Can't Find in Textbooks.

Keller, DS Cancer Nutrition- Prehabilitation: Optimizing Patients for Treatment. From MIS to Organ Preservation in GI Surgery.

Keller, DS. How To Perform the Perfect TAP Block. Moving Towards Opioid Free MIS: One TAP at a Time.

Keller, DS. Moderator, Moving Towards Opioid Free MIS: One TAP at a Time.

Keller, DS Can Statistical Process Control (SPC) Drive Improvement in Length of Stay After Colorectal Surgery?

Keller, DS The Impact of Opioid Utilization on Quality Outcomes and Costs in Laparoscopic Colorectal Surgery.

Keller, DS Adoption of Laparoscopic Colorectal Surgery in the Elderly Population: Current State and Value Proposition.

Keller, DS An Analysis of Operating Room Time and Efficiency in Robotic Surgery.

Digestive Disease Week

San Diego, CA, May 18-22, 2019

Keller, DS Are All Minimally Invasive Approaches Created Equal? A Comparison Of Laparoscopy And Robotics For Postoperative Ileus And Quality Outcomes In Elective Colorectal Surgery.

Keller, DS Predictors of Complications from stoma creation in elective colorectal surgery: An assessment from the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP)

Keller, DS The Impact on Prior Abdominal Surgery on Postoperative Outcomes in Colorectal Surgery

Publications

Al-Mazrou AM, Haiqing Z, Guanying Y, Kiran RP. Sustained positive impact of ACS-NSQIP program on outcomes after colorectal surgery over the last decade. *Am J Surg*. 2019 May 18. pii: S0002-9610(19)30484-2. doi: 10.1016/j.amjsurg.2019.05.001.

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Gash K, Kiran RP. The Formation of a Kock Pouch (Continent Ileostomy): a Video Vignette. *Colorectal Dis*. 2019 May 8. doi: 10.1111/codi.14678.

[Journal link](#)

[PubMed link](#)

Book Chapter

Applications Beyond Local Excision. Keller DS in Transanal Minimally Invasive

Surgery (TAMIS) and Transanal Total Mesorectal Excision (taTME). Ed: Atallah, S. Springer, New York, NY. ISBN:978-3-030-11571-5.

SURGICAL EDUCATION

Publications

Nakagawa S, Fischkoff K, Berlin A, Arnell TD, Blinderman CD. Communication Skills Training for General Surgery Residents. *J Surg Educ*. 2019 Apr 18. pii: S1931-7204(18)30833-X. doi: 10.1016/j.jsurg.2019.04.001.

[Journal link](#)

[PubMed link](#)

GI/ENDOCRINE SURGERY

Presentations

53rd Annual Pancreas Club Meeting
San Diego, CA, May 2019

Shaw K, Rossmer I, Rosario V, Schrope BA, Chabot JA, Kluger MD.

Quality of life and global health after pancreatic surgery is consistent with the general population: the long-term outlook from 9 years.

Publications

Graves CE, McManus CM, Chabot JA, Lee JA, Kuo JH. Vitamin D Does Not Affect Intraoperative Parathyroid Hormone Kinetics: A Mixed Linear Model Analysis. *J Surg Res*. 2019 Apr 24;241:199-204. doi: 10.1016/j.jss.2019.03.026

[Journal link](#)

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Kluger MD, Rosin RD, Kluger MD. The Caribbean: a model for implementation of minimally invasive surgery in resource-poor regions. *Int J Surg*. 2019 Apr 20. pii: S1743-9191(19)30095-0. doi: 10.1016/j.ijsu.2019.04.012.

[Journal link](#)

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Kuo JH, McManus C, Graves CE, Madani A, Khokhar MT, Huang B, Lee JA. Updates in the management of thyroid nodules. *Curr Probl Surg*. 2019 Mar;56(3):103-127.

[Journal link](#)

[PubMed link](#)

Letica-Kriegel AS, Leinwand JC, Sonett JR, Gorenstein LA, Taub RN, Chabot JA, Kluger MD. 50 Patients with Malignant Mesothelioma of Both the Pleura and Peritoneum: A Single-Institution Experience. *Ann Surg Oncol*. 2019 May 7. doi: 10.1245/s10434-019-07409-5.

[Journal link](#)

[PubMed link](#)

Pendrick DM, Oberg JA, Hsiao SJ, Chung WK, Koval C, Sireci A, Kuo JH, Satwani P, Glasser CL, Sulis ML, Mansukhani MM, Glade Bender JL. Identification of a secondary RET mutation in a pediatric patient with relapsed acute myeloid leukemia leads to the diagnosis and treatment of asymptomatic metastatic medullary thyroid cancer in a parent: a case for sequencing the germline. *Cold Spring Harb Mol Case Stud*. 2019 Apr 1;5(2). pii: a003889. doi: 10.1101/mcs.a003889.

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Rashid MF, Jackson TL, Morgan JA, Dwyer FA, Schrope BA, Chabot JA, Kluger MD. Dabigatran (Pradaxa) Is Safe for Extended Venous Thromboembolism Prophylaxis After Surgery for Pancreatic Cancer. *J Gastrointest Surg*. 2019;23(6):1166-1171.

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Yeh R, Tay YD, Tabacco G, Dercle L, Kuo JH, Bandeira L, McManus C, Leung DK, Lee JA, Bilezikian JP. Diagnostic Performance of 4D CT and Sestamibi SPECT/CT in Localizing Parathyroid Adenomas in Primary Hyperparathyroidism. *Radiology*. 2019 May;291(2):469-476.

[Journal link](#)

[PubMed link](#)

PEDIATRIC SURGERY

Presentations

Roundtable Forum, Renaissance Westchester Hotel

West Harrison, NY March 16, 2019

Zitsman J. Invited panelist: Critical Insights on Childhood Obesity and Nutrition.

American Society for Metabolic and Bariatric Surgery, NY State Chapter Meeting

New York, May 3, 2019

Zitsman J. Invited speaker: Adolescent obesity surgery

Publications

Graham CD, Shieh HF, Karabas M, Zurakowski D, Hansen A, Fauza DO. Anisotropic hydrostatic intraluminal esophageal stretch: prototyping and initial testing in vivo. *J Pediatr Surg.* 2019 (in press)

[Journal link](#)



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