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Dear Faculty,

Many thanks for your continued participation and interest in this newsletter. Please enjoy this month's selection of publications and presentations below.

In case you may not be aware, all issues of this [newsletter](#) are now available on the Center for Innovations and Outcomes Research web site for easy reference. Please be sure to email [Paul Kurlansky \(pk2245@columbia.edu\)](mailto:Paul.Kurlansky@columbia.edu) or myself (crs2@cumc.columbia.edu) with your confirmed publications, presentations, and grants as we will continue to send this newsletter monthly.

As a reminder, the PubMed links below should work for everyone. The journal-specific links will only work if you have a subscription to that journal or you are connected into the Columbia University library e-journal system.

Best regards,
Craig Smith, MD

CONGRATULATIONS

To our Chairman, Dr. Craig Smith, on his landmark presentation to a packed audience at the American College of Cardiology Scientific Sessions in Chicago April 2, 2016, with simultaneous on-line release in the New England Journal of Medicine: Transcatheter or Surgical Aortic-Valve Replacement in Intermediate-Risk Patients (see below*).

To Dr. Michael Argenziano on being advanced to full Professor of Surgery.

To Dr. Onur Baser from the Center for Innovation and Outcomes Research on receiving multiple grant awards:

1. Outcome Study with Patients with Schizophrenia, Otsuka, \$18,000
2. Outcome Studies in Alzheimer Disease, Merck, \$135,000
3. Health Care Resource Utilization and Costs among Patients diagnosed with sporadic Inclusion Body Myositis in the Medicare Population, Novartis, \$120,631

4. Comorbidities and economic burden of heart failure in the US Medicare Population, Janssen, \$167,445
5. Treatment patterns and burden of Alzheimer's disease in the US medicare population, Merck, \$5677
6. Proton-pump inhibitor utilization among patients with hepatitis C, Janssen, \$6,014
7. Treatment Patterns and Outcomes among Medicare-insured newly diagnosed Multiple Myeloma Patients Treated with RD vs. VD and CyborD versus RVD, Celgene, 129,676

Total: \$582,443

To Dr. Isaac George on being named nation Co-Primary Investigator of the Transcatheter Aortic Valve Replacement System Pivotal Trial (SALUS) trial of direct flow medical transcatheter aortic valve system (ClinicalTrials.gov Identifier: NCT02163850).

To Dr. David Kalfa on

- Receiving the Young Investigator Award for his presentation to the Association for European Paediatric Cardiology (AEPC), Rotterdam, Netherlands, March 16-18th, 2016: *Relationship between cognitive and psychosocial outcome in adults after neonatal arterial switch operation for transposition of the great arteries*
- Being invited to join the editorial board of Stem Cells Research & Therapy
- Being inducted as a member of the Heart Valve Society

To Dr. James Lee on

- Being named Chair, Dean's Task Force on Communications
- Being appointed to the Executive Committee of the American Association of Endocrine Surgeons

To Dr. Yamada Kazuhiko on

- Being advanced to Professor of Surgical Science in Surgery
- Being appointed Director of Surgical Research, The Columbia Center for Translational Immunology (CCTI)
- Being invited as Visiting Professor, Department of Pathology, Nippon Medical School, Japan

BREAST SURGERY

Book Chapter

Rohde, C. contributor in **Being a Woman Surgeon: Sixty Women Share Their**

CARDIAC SURGERY

Book Chapters

Kalfa D, Chai P, Bacha E. Tetralogy of Fallot: Transventricular repair, including pulmonary atresia without MAPCAs *In Surgery of Conotruncal Anomalies*. Lacour-Gayet, Bove, Hraska, Morell, Spray (eds). DOI 10.1007/978-3-319-23057-3_5, ©Springer-Verlag London 2015, chap 5, Pages, 111-124.

Presentations

Meeting of the Association for European Paediatric Cardiology (AEPC), Rotterdam, Netherlands, March 16-18th, 2016.

Kasmi L, Montreuil M, Bonnet D, Geronikola N, Lambert V, Murzi E, Belli E, Kalfa D. Relationship between cognitive and psychosocial outcome in adults after neonatal arterial switch operation for transposition of the great arteries.

Heart Valve Society, New York, March 17-19, 2016.

Borger, M. Sutureless prostheses: The way of the future.

George, I. Edwards CadiA&alt81; transcatheter mitral valve replacement.

Smith, CR. Debate: TAVR in Low Risk Patients: CON.

American College of Cardiology Scientific Sessions, Chicago, April 2-4, 2016.

Agrawal Surbhi, Najjar M, Ascherman B, Akkoc D, Stein S, Hegde S, Wang C, Kurlansky P, Borger M, Argenziano M, Smith C, George I. Preoperative Anemia and Intraoperative Transfusion Together Predict Worsened Short and Long-Term Mortality After Isolated Surgical Aortic Valve Replacement.

Castano A, Narotsky D, Kodali S, Nazif T, George I, Vahl T, Hamid N, Hahn R, Morgenstern R, Bokhari S, Maurer M. Transthyretin Cardiac Amyloidosis is Prevalent Among Men with Severe Aortic Stenosis Undergoing Transcatheter.

Castano A, Narotsky D, Kodali S, Nazif T, George I, Vahl T, Hamid N, Hahn R, Morgenstern R, Bokhari S, Maurer M. The Myocardial Contraction Fraction is Superior to the Voltage to Mass Ratio for Identifying TTR Cardiac Amyloid in Patients Undergoing TAVR.

Gillinov AM, Bagiella E, Moskowitz A, Raiten J, Groh M, Bowdish M, Ailawadi G, Kirkwood K, Gelijins A, Perrault L, Parides M, Smith R, Kern J, Dussault G, Jeffries N, Miller M, Argenziano M, Moquete E, Pellerin M, Gammie J, O'Gara P, Mayer ML, Voisine P, Mack M, CTSN Investigators. A Randomized Trial of Rate Control Versus Rhythm Control for Atrial Fibrillation after Cardiac Surgery.

Khalique OK, Bettinger N, Hamid N, Kodali S, Hahn R, White J, Hasting R, Terre J, Palmerini T, Nazif T, Vahl T, George I, Leon M. Annulus Assessment Prior to Transcatheter Aortic Valve Replacement: Annulus Dimensions May Not be Largest in Mid-Systole.

Oberweis BS, Hamid N, Khalique O, George I, Nazif T, Vhal T, White J, Kodali S, Leon M, Hahn R. Effective Orifice Area Reference Values with the Different Sizes of the Sapien 3 Balloon-Expanding Transcatheter Aortic Valve.

Van Boxtel B, Sorabella R, Langer N, Kheysin N, Gomez A, Patel S, Wang C, Takeda K, Takayama H, Naka Y, Borger M, Argenziano M, Smith C, George I. Diabetes Mellitus Does Not Worsen Long-Term Survival Following Isolated Surgical Aortic Valve Replacement: A Propensity Matched Analysis.

Publications

Borger MA, Dohmen PM, Knosalla C, Hammerschmidt R, Merk DR, Richter M, Doenst T, Conradi L, Treede H, Moustafine V, Holzhey DM, Duhay F, Strauch J.

Haemodynamic benefits of rapid deployment aortic valve replacement via a minimally invasive approach: 1-year results of a prospective multicentre randomized controlled trial. Eur J Cardiothorac Surg. 2016 Mar 2. pii: ezw042. [Epub ahead of print]

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Fukuhara S, Takeda K, Garan AR, Kurlansky P, Hastie J, Naka Y, Takayama H. Contemporary mechanical circulatory support therapy for postcardiotomy shock. Gen Thorac Cardiovasc Surg. 2016 Feb 13. [Epub ahead of print]

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Fukuhara S, Takeda K, Polanco AR, Takayama H, Naka Y. Prolonged continuous-flow left ventricular assist device support and posttransplantation outcomes: A new challenge. J Thorac Cardiovasc Surg. 2016 Mar;151(3):872-880.e5.

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Gillinov AM, Bagiella E, Moskowitz AJ, Raiten JM, Groh MA, Bowdish ME, Ailawadi

G, Kirkwood KA, Perrault LP, Parides MK, Smith RL II, Kern JA, Dussault G, Hackmann AE, Jeffries NO, Miller MA, Taddei Peters WC, Rose EA, Weisel RD, Williams DL, Mangusan RF, Argenzian M, Moquete EG, O'Sullivan KL, Pellerin M, Shah KJ, Gammie JS, Mayer ML, Voisine P, Gelijns AC, O'Gara PT, and Mack MJ, for the CTSN* Rate Control versus Rhythm Control for Atrial Fibrillation after Cardiac Surgery N Engl J Med; published on line April 4, 2016; DOI: 10.1056/NEJMoa1602002.

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Guglielmetti L, Nazif T, Sorabella R, Akkoc D, Kantor A, Gomez A, Wang C, Takayama H, Dizon J, Borger M, George I. **Bicuspid aortic valve increases risk of permanent pacemaker implant following aortic root replacement.** Eur J Cardiothorac Surg. 2016 Mar 2. pii: ezw044.

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Hannan EL, Samadashvili Z, Stamato NJ, Lahey SJ, Wechsler A, Jordan D, Sundt TM 3rd, Gold JP, Ruiz CE, Ashraf MH, Smith CR. **Utilization and 1-Year Mortality for Transcatheter Aortic Valve Replacement and Surgical Aortic Valve Replacement in New York Patients With Aortic Stenosis: 2011 to 2012.** JACC Cardiovasc Interv. 2016 Mar 28;9(6):578-85.

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Langer NB, Nazif TM, Powers ME, Fkuhara S, Borger MA, George I. Cardiogenic Shock From Coronary Compression: A Difficult Diagnosis But Easy Fix Ann Thorac Surg 2016;101:e111-3.

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*Leon MB, Smith CR, Mack MJ, Makkar RR, Svensson LG, Kodali SK, Thourani VH, Tuzcu EM, Miller DC, Hermann HC, Doshi D, Cohen DJ, Pichard AD, Kapadia S, Dewey T, Babaliaros V Szeto WY, Williams MR, Kereiakes D, Zajarias A, Greason KL, Whisenart BK, Hodson RW, Moses JW, Trento A, Brown DL, Fearon WF, Pibarot P, Hahn RT, Jaber WA, Anderson WN, Alu MC, Webb JG for the PARTNER 2 Investigators. Transcatheter or Surgical Aortic-Valve Replacement in Intermediate-Risk Patients. Published on line: N Engl J Med, April 2, 2016 DOI: 10.1056/NEJMoa1514616.

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Michler RE, Smith PK, Parides MK, Ailawadi G, Thourani V, Moskowitz AJ, Acker MA, Hung JW, Chang HL, Perrault LP, Gillinov AM, Argenziano M, Bagiella E, Overbey JR, Moquete EG, Gupta LN, Miller MA, Taddei Peters WC, Jeffries N, Weisel RD, Rose EA, Gammie JS, DeRose JJ, Jr., Puskas JD, Dagenais F, Burks SG, El-

Hamamsy I, C.A. CA, Atluri P, Voisine P, O’Gara PT, and Gelijns AC, for the CTSN* Two-Year Outcomes of Surgical Treatment of Moderate Ischemic Mitral Regurgitation. N Engl J Med published on line April 3, 2016; DOI: 10.1056/NEJMoa1602003.

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Sorabella RA, Mamuyac E, Yerebakan H, Najjar M, Choi V, Takayama H, Naka Y, Argenziano M, Smith CR, George I. **Residual Tricuspid Regurgitation following Tricuspid Valve Repair during Concomitant Valve Surgery Worsens Late Survival.** Heart Surg Forum. 2015 Nov 24;18(6):E226-31. doi: 10.1532/hsf.1469.

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Sorabella RA, Wu YS, Bader A, Kim MJ, Smith CR, Takayama H, Borger MA, George I. **Aortic Root Replacement in Octogenarians Offers Acceptable Perioperative and Late Outcomes.** Ann Thorac Surg. 2016 Mar;101(3):967-72. doi: 10.1016/j.athoracsur.2015.08.006. Epub 2015 Oct 17.

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CENTER INNOVATION AND OUTCOMES RESEARCH

Presentations

Amin A, Keshishian A, Xie L, Baser O, Price K, Vo L, Mardekian J, Mendozza M, Singhai S, Patel C, Odell K, Trocio J. Pfizer Inc, New York, Bristo-Myers Squibb Company, New York. **Real-World Comparison of Major Bleeding Risk Among Untreated Non-Valvular Atrial Fibrillation Patients and Those Initiating Apixaban, Dabigatran, Rivaroxaban, or Warfarin.** American College of Cardiology Scientific Sessions, Chicago, April 4, 2016.

Publications

Fox K, Wang L, Gandra S, Quek R, Li L, Baser O. Clinical and economic burden associated with cardiovascular events among patients with hyperlipidemia: a retrospective cohort study. BMC Cardiovasc Disord. 2016;16:13. DOI: 10.1186/s12872-016-0190-x.

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COLON AND RECTAL SURGERY

Book Chapters

Lee-Kong SA and Feingold DL. Left hemicolectomy hand-assisted laparoscopic (HALS) technique, in Mulholland M, Hughes S, Hawn M, Sabel M, Albo D, Englesbe M, Dalman R (eds): Operative Techniques in Surgery, 1st edition. 2015.

Lee-Kong SA and Feingold DL. Hand-assisted left colectomy, in Ross H, Lee S, Mutch M, Rivadeneira D, Steele S (eds): Minimally invasive approaches to colon and rectal disease: Technique and Best Practices, 1st edition. 2015.

GASTROINTESTINAL SURGERY

Book Chapters

Krikhely A, Gluzman E, Sherwinter D. Band Prolapse: Diagnosis and Management. In Herron D ed. Bariatric Surgery Complications and Emergencies (2016).

<http://link.springer.com/book/10.1007/978-3-319-27114-9>

Presentations

Bressler Y, Bates GE, Jin Z, Ginsburg M, Thurm R, Taub RN, Sonett JR, Chabot JA, Kluger MD. Dual cavity malignant mesothelioma: presentation and survival. 11th International Symposium on Regional Cancer Therapies. Chandler, AZ; February 2016.

Kluger MD, Heller D, Green A, Chiuzan D, Leinwand J, Bates G, Taub R, Chabot J. Recurrence of malignant peritoneal mesothelioma: insights based on standardized second look procedures. 11th International Symposium on Regional Cancer Therapies. Chandler, AZ; February 2016.

Publications

Santambrogio R, Savino B, Kluger MD, Costa M, Salceda J, Belli A, Laurent A, Barabino M, Opocher E, Azoulay D, Cheraui D. Laparoscopic ablation therapies of hepatic resection in cirrhotic patients with small hepatocellular carcinoma. Digestive and Liver Disease. 2016;48(2):189-96. PMID: 26675381.

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IMMUNOLOGY/TRANSPLANTATION

Book Chapters

Kazuhiko Yamada, Joseph Scalea, Masayuki Tasaki *Chapter 12: Xenotransplantation*. Oxford Textbooks in Anaesthesia: Oxford Textbook of Transplant Anaesthesia and Critical Care (editor in Chief Dr. Ernesto A. Pretto Jr) Oxford University Press. pp 111-124. (Kazuhiko Yamada as Corresponding/leading author).

Publications

Buhler L, Illigens BM, Nadazdin O, Tena A, Lee S, Sachs DH, Cooper DK, Benichou G. **Persistence of indirect but not direct T cell xenoresponses in baboon recipients of pig cell and organ transplants**. Am J Transplant. 2015 Dec 31. doi: 10.1111/ajt.13695.

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Guarrera JV. Are We Emerging from the Ice Age of Liver Preservation? Am J Transplant 2016 Feb 16doi: 10.1111/ajt.13756. [Epub ahead of print]

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Navarro-Alvarez N, Shah JA, Zhu A, Ligocka J, Yeh H, Elias N, Rosales I, Colvin R, Cosimi AB, Markmann JF, Hertl M, Sachs DH and Vagefi PA. **The Effects of Exogenous Administration of Human Coagulation Factors Following Pig-to-Baboon Liver Xenotransplantation** Am J Transplant 5 FEB 2016 | DOI: 10.1111/ajt.13647.

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Shah JA, Navarro-Alvarez N, DeFazio M, Rosales IA, Elias N, Yeh H, Colvin RB, Cosimi AB, Markmann JF, Hertl M, Sachs DH, Vagefi PA. **A Bridge to Somewhere: 25-day Survival After Pig-to-Baboon Liver Xenotransplantation**. Ann Surg. 2016 Jan 28. [Epub ahead of print]

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Tanriover B, Lakhia R, Shen YM, Sandikci B, Saxena R, MacConmara M, Soyombo AA, Rajora N, Hardy MA. **Characteristics and Outcomes of Renal Transplant Recipients with Hemolytic Uremic Syndrome in the United States**. Transplant Direct.

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PEDIATRIC SURGERY

Presentations

Okochi, S, Schad C, Middlesworth W, Sonett J, Zitsman J, Duron V. Tracheal Injury During Extraction of an Esophageal Foreign Body: Repair Utilizing Venovenous ECMO. Annual Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure, Feb28-Mar 3, Keystone, CO, 2016.

Zitsman J: Invited Panelist, Latest Evidence and Trends in Pediatric Obesity. GlobalCast and Children's Healthcare of Atlanta. February 25, 2016.

THORACIC SURGERY

Book Chapter

First Author: Costa J, D'Ovidio F, Sonett. JR. **Lung Transplantation: Principles and Practice**. Chapter 7: Donor Selection and Management. Eds: Wickii Vigneswaran, Edward Garrity and John Odell. ISBN: 9781482233919.

VASCULAR SURGERY

Publications

Ilonzo, N, Egorova N, Nowygrad, R. Interhospital transfer for intact abdominal aortic aneurysm repair J Vasc Surg 2016; 63: 859-865.

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