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Dear Faculty,

Thank you all for your continued contributions to our monthly research newsletter.

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.

Let's keep up the excellent work. Please be sure to email Paul Kurlansky (pk2245@columbia.edu) or myself (crs2@cumc.columbia.edu) with your confirmed publications, presentations, and grants as we will continue to send this newsletter monthly.

Warmly,
Craig Smith, MD

CONGRATULATIONS

To Adam Griesemer on receiving the American Association for the Study of Liver Diseases Career Development Award in Memory of the University of Michigan Transplant Team (2 year award) for his project: Inhibition/depletion of Memory T cells to induce Liver Transplant Tolerance.

CARDIAC SURGERY

Presentations

The following were presentations from the 27th Annual Trans Catheter Therapeutics (TCT), San Francisco, Oct, 2015:

- Bettinger N, Hamid N, Hahn R, Kodali S, Vahl TP, White JM, Parikh PB, Georg I, Leon M, Khalique OK. Anatomic and procedural predictors of paravalvular leak following transcatheter aortic valve replacement with a self-expanding prosthesis at a high volume center including a novel variable of inflow expansion.
- Bleiziffer S, Webb J, Kornowski R, Holzhey DM, Santos MS, George I, Sinning JM, Napodano M, Nombela-Franco L, Guerrero M, Nissen H, Rudolph T, Brecker S, Shah A, Petursson P, Cerillo AG, Chandran S, Moat N, Gala DF, Park SJ, Bonaros N, Bekeredjian R, Ange R, Dvir D. Prosthesis-Patient Mismatch after Aortic Valve-In-Valve Implantation: Insights from the Valve-in-Valve International Data (VIVID) Registry.

Argenziano M:

- Left Atrial Appendage Closure: Indications, Technique and Outcomes: Surgical LAA Closure: Patient Selection and Supporting Data
- Transcatheter Mitral Valve Therapies: Today and Tomorrow: The Intermediate Surgical Risk Patient with P3 Prolapse: The Case for MV Surgery

Borger M:

- Interventional and Surgical Management of Functional MR: Case Studies in Conflict And Consensus—Moderator
- Interventional, Surgical and Hybrid Coronary Procedures: MitraClip for IMR after PCI Topic-Oriented Controversies, TAVR: Discussant

George I:

- Live Case Presentations: TAVR and MitraClip
- Live Case Presentation: TAVR
- Hands-On-Technology Demonstration: Direct Flow
- Live Case Presentation: Aortic Valve and Structural Heart Disease, Digital Moderator
- New TAVR Technology: TAVR Systems, Discussant
- FDA-Approved or US IDE Studies
- Aortic Valve and Structural Heart Disease Live Case Discussant
- Transcatheter Aortic Valve Therapies: Today and Tomorrow, Complications, Part 2, Moderator
- Anatomical and Procedural Factors Associated with Aortic Root Rupture During TAVR

Smith CR:

- Metallic Drug-Eluting Stents: Controversies with Today's Technology: Moderator
- Transcatheter Aortic Valve Therapies: Today and Tomorrow: Discussant

The following were presented at the 62nd Annual Meeting Southern Thoracic Surgical

Association, Orlando, Nov 4-7, 2015:

- Shah AA, Aftab M, Tchanchaleishvili V, LaPar D, Stephens E, Walters D, DeNino W, Odell D, Robich M, Cevasco M, Eilers A, Gillaspie E, Goldstone A1, Malas T, Rice R, Shelstad R, Andersen ND. Characterizing the Operative Experience of Cardiothoracic Surgery Residents in the United States: What are Residents Really Doing in the Operating Room?
- Stephens EH, Shah AA, Robich MP, Walters D, DeNino W, Aftab M, Tchanchaleishvili V, Eilers A, Rice R, Goldstone A, Shelstead R, Malas T, Cevasco M, Gillaspie E, Odell D, LaPar DJ. The Future of the Academic Cardiothoracic Surgeon: Results of the TSRA/TSDA In-training Exam Survey.

From the American Heart Association Scientific Sessions, Orlando, Nov 9, 2015.

- Kurlansky P, Herbert M, Prince S, Mack M. Medical therapy influences outcomes of PCI vs. CABG comparison studies.

Publications

Goldstein D, Moskowitz AJ, Gelijns AC, Ailawadi G, Parides MK, Perrault LP, Hung JW, Voisine P, Dagenais F, Gillinov AM, Thourani V, Argenziano M, Gammie JS, Mack M, Demers P, Atluri P, Rose EA, O'Sullivan K, Williams DL, Bagiella E, Michler RE, Weisel RD, Miller MA, Geller NL, Taddei-Peters WC, Smith PK, Moquete E, Overbey JR, Kron IL, O'Gara PT, Acker MA; CTSN. Two-Year Outcomes of Surgical Treatment of Severe Ischemic Mitral Regurgitation. *N Engl J Med*. 2015 Nov 9. [Epub ahead of print]

Gersak B, Fischlein T, Folliguet TA, Meuris B, Teoh KH, Moten SC, Solinas M, Miceli A, Oberwalder PJ, Rambaldini M, Bhatnagar G, Borger MA, Bouchard D, Bouchot O, Clark SC, Dapunt OE, Ferrarini M, Laufer G, Mignosa C, Millner R, Noirhomme P, Pfeiffer S, Ruyra-Baliarda X, Shrestha M, Suri RM, Troise G, Diegeler A, Laborde F, Laskar M, Najm HK, Glauber M. Sutureless, rapid deployment valves and stented bioprosthesis in aortic valve replacement: recommendations of an International Expert Consensus Panel.

Eur J Cardiothorac Surg. 2015 Oct 29. pii: ezv369. [Epub ahead of print]

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Jacobs JP, Shahian DM, He X, O'Brien SM, Badhwar V, Cleveland JC Jr, Furnary AP, Magee MJ, Kurlansky PA, Rankin JS, Welke KF, Filardo G, Dokholyan RS, Peterson ED, Brennan JM, Han JM, McDonald D, Schmitz D, Edwards FH, Prager RL, Grover FL. Penetration, Completeness, and Representativeness of The Society of Thoracic Surgeons Adult Cardiac Surgery Database. *Ann Thorac Surg*. 2015 Nov 3. pii: S0003-4975(15)01416-2. doi: 10.1016/j.athoracsur.2015.08.055. [Epub ahead of print]

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Kurlansky P. Preoperative carotid ultrasound through the looking glass: Curiouser and curiouser! J Thorac Cardiovasc Surg. 2015 Oct 28. pii: S0022-5223(15)02142-X. doi: 10.1016/j.jtcvs.2015.10.079. [Epub ahead of print]

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Lee TM, Bacha EA. Copy number variants in congenital heart disease: A new risk factor impacting outcomes? J Thorac Cardiovasc Surg. 2015 Oct 13. pii: S0022-5223(15)01952-2. doi: 10.1016/j.jtcvs.2015.10.002. [Epub ahead of print]

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Levin AP, Jarmillo N, Garan AR, Takeda K, Takayama H, Yuzefpolskaya M, Mancini DM, Naka Y, Colombo PC, Topkara VK. Outcomes of Contemporary Mechanical Circulatory Support Device Configurations In Patients with Severe Biventricular Failure J Thorac Cardiovasc Surg 2015, doi: 10.1016/j.jtcvs.2015.10.019.

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Lewis MJ, Ginns JN, Ye S, Chai P, Quaegebeur JM, Bacha E, Rosenbaum MS. Postoperative tricuspid regurgitation after adult congenital heart surgery is associated with adverse clinical outcomes. J Thorac Cardiovasc Surg. 2015 Sep 16. pii: S0022-5223(15)01720-1. doi: 10.1016/j.jtcvs.2015.09.028. [Epub ahead of print]

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Pineda AM, Chandra R, Gowani SA, Santana O, Mihos CG, Kirtane AJ, Stone GW, Kurlansky P, Smith CR, Beohar N. Completeness of revascularization and its impact on the outcomes of a staged approach of percutaneous coronary intervention followed by minimally invasive valve surgery for patients with concomitant coronary artery and valvular heart disease. Catheter Cardiovasc Interv. 2015 Nov 3. doi: 10.1002/ccd.26294. [Epub ahead of print]

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Singh G, Tsukashita M, Biscotti M, Costa J, Lambert D, Bacchetta M, Takayama H. Heart Procurement From A Donor On Venovenous ECMO Support. ASAIO J. 2015 Nov 2. [Epub ahead of print]

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Stephens EH, Nguyen TC, Blazejewski JG, Dragoslava V, Connell J, Itoh A, Ingels NB, Jr., Miller DC, Grande-Allen KJ. Extracellular Matrix Remodeling in Wound Healing of Critical Size Defects in the Mitral Valve Leaflet. *Heart and Vessels*, Epub ahead of print Nov 12, 2015.

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IMMUNOLOGY/TRANSPLANTATION

Presentations

Emond J and Griesemer A, moderators: Immunology of Liver Transplantation: Cellular Interactions. American Association for the Study of Liver Diseases, San Francisco, Nov 14, 2015.

Farber D. Cellular Memory. American Association for the Study of Liver Diseases, San Francisco, Nov 14, 2015.

Griesemer A. Cellular Interactions: Defining & Disrupting Important Pathways. American Association for the Study of Liver Diseases, San Francisco, Nov 14, 2015.

Griesemer A. Invited lecture: Challenges in Pediatric Transplantation, American Transplant Congress, Philadelphia, 2015.

Hardy, MA. Keith Reemtsma Lecture: Xenotransplantation: The Past and the Future. International Xenotransplantation Association Joint Congress, Melbourne, Nov 15, 2015.

Weiner J, Kato Y, Chaudhry S, Duran-Struuck R, Martinez M, Alonso-Guallart P, Zitsman J, Lefkowitz JH, Kato T, Sykes M, Griesemer AD. Combined bone marrow plus liver transplantation in cynomolgus monkeys. American Association for the Study of Liver Diseases, San Francisco, Nov 17, 2015.

Publications

Matsuoka N, Weiner JI, Griesemer AD, Samstein BB, Zhao Y, et al. Ex Vivo Pancreaticoduodenectomy and Liver Autotransplantation for Pancreatic Head Tumor with Extensive Involvement of the Hepatoduodenal Ligament. *Liver Transplantation*. 2015; Aug 20. doi: 10.1002/lt.24229. [Epub ahead of print]

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Soubrane O, de Rougemont O, Kim KH, Samstein B, Mamode N, Boillot O, Troisi RI, Scatton O, Cauchy F, Lee SG, Griesemer A, Ahmed Z, Clavien PA, Cherqui D. Laparoscopic Living Donor Left Lateral Sectionectomy: A New Standard Practice for Donor Hepatectomy. *Ann Surg.* 2015 Nov;262(5):757-763.

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Tanriover B, Fernandez S, Campenot ES, Newhouse JH, Oyfe I, Mohan P, Sandikci B, Radhakrishnan J, Wexler JJ, Carroll MA, Sharif S, Cohen DJ, Ratner LE, Hardy MA. Live Donor Renal Anatomic Asymmetry and Posttransplant Renal Function. *Transplantation.* 2015 Aug;99(8):e66-74.

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PEDIATRIC SURGERY

Publications

Kalesan B, Vyliparambil MA, Bogue E, Villarreal MD, Vasan S, Fagan J, DiMaggio CJ, Stylianos S, Galea S; Firearm Injury Research Group. Race and ethnicity, neighborhood poverty and pediatric firearm hospitalizations in the United States. *Ann Epidemiol.* 2015 Oct 30. pii: S1047-2797(15)00448-2. doi: 10.1016/j.annepidem.2015.10.009. [Epub ahead of print]

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PLASTIC SURGERY

Presentations

Ascherman J.

- The association between smoking and plastic surgery outcomes in 40,465 patients:

An analysis of the American College of Surgeons' database.

- Extending the boundaries of the surgeon's eye with SPY Elite.
- AeroForm vs. saline tissue expansion in breast reconstruction: A prospective multi-center randomized controlled clinical study.

All presented at the 40th Annual Meeting of the Israel Society of Plastic and Aesthetic Surgery, Tel Aviv, Nov 2015.

Feldman S. Invited Speaker: President's Panel: Breast Cancer Team: Building the relationship. American Society of Plastic Surgeons, Boston, Oct 17, 2015.

THORACIC SURGERY

Presentations

Sonett J, Singh G, Costa J, Bessler M, D'Ovidio F, Bacchetta M, Gorenstein L, Ginsburg M. Mediastinal Teratoma Causing Superior Vena Cava Compression. Annual Meeting Southern Thoracic Surgical Association, Orlando, Nov 4, 2015.

Publications

Ginsburg ME, Thomashow BM, Bulman WA, Jellen PA, Whippo BA, Chiuzan C, Lee S, BAi D, Sonett J. The safety, efficacy, and durability of lung volume reduction surgery: A 10-year experience. J Thorac Cardiovasc Surg 2015 doi: 10.1016/j.jtcvs.2015.10.095.

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Sell JL, Bacchetta M, Goldfarb SB, Park H, Heffernan PV, Robbins HA, Shah L, Raza K, D'Ovidio F, Sonett JR, Arcasoy SM, Lederer DJ. Short Stature and Access to Lung Transplantation in the United States: A Cohort Study. Am J Respir Crit Care Med. 2015 Nov 10. [Epub ahead of print]

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