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and Surgeons*

Dear Colleagues,

Our April newsletter includes an impressive list of awards and announcements. Congratulations on these achievements and publications, and thank you for continuing to keep us updated about your excellent work.

Please continue to email Paul Kurlansky ([pk2245@columbia.edu](mailto:pk2245@columbia.edu)) or myself ([crs2@cumc.columbia.edu](mailto: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.

Thank you,  
Craig Smith, MD

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## ANNOUNCEMENT

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The 24th annual Surgery Investigators' Competition in Translational and Clinical Research is planned for Thursday, May 21st, 2015, 6:30-8:30 AM. The deadline for abstract submission is noon on Thursday, April 30, 2015.

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## CONGRATULATIONS

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Kazuki Sugahara, MD, PhD on being selected to receive a 2015 Pancreatic Cancer Action Network Translational Research Grant for *Clinical Development of a Tumor-penetrating Peptide for Enhanced Pancreatic Cancer Treatment*. \$300,000 for 7/1/2015-6/31/2017.

Sheldon Feldman, MD, Chief, Breast Surgery Section, on being awarded Avon Foundation Grant to study Oxytocin, MicroRNA and Breast Cancer \$65,000, January 1, 2015 and Susan Love Foundation Grant Optical Coherence Tomography (OCT) for detecting early breast cancer via intraductal route \$17,000, February 21, 2015.

Michael Argenziano, MD, Chief, Adult Cardiac Surgery on publishing his THIRD paper in the New England Journal of Medicine within the space of one year!

Michael Borger, MD, Surgical Director, Aortic Surgery Program on being appointed Associate Editor of the European Journal of Cardiothoracic Surgery.

Katherine Gash, a UK surgical trainee (registrar), one of only 2 UK surgical trainees to be awarded the prestigious Fulbright Scholarship, which funds her to spend 6 months doing clinical research in colorectal surgery under the supervision of Dr. Ravi Kiran.

Jennifer Kuo, MD, whose presentation: *Increased incidence of thyroid cancer among breast cancer survivors: an analysis of the SEER 9-database* went viral with nearly thirty media reports after she presented at the Endocrine Society Annual Meeting, March 2015.

Paul Kurlansky, MD, on being invited to deliver the Chamberlain lecture for adult cardiac surgery at the Society of Thoracic Surgeons meeting, which is awarded to the most important presentation of the meeting in that category.

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## **BREAST SURGERY**

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### **Presentations**

Feldman, S. Invited Lecture, Breast Cancer: Emerging breakthrough approaches. FUSCC-NYP Joint Oncology Symposium: Fudan University Shanghai Cancer Center, China Jan 12,2015.

Feldman, S. Invited Lecture: Breast cancer advances. Fudan University Alumni Health Awareness Event, Fudan University Shanghai Cancer Center, Jan 11, 2015.

Feldman S, Invited Lectures:

1. Breast Conservation, past, present and future
2. 2Intraoperative radiation (IORT) for breast cancer

West China School of Medicine/Hospital of Sichuan University, Chengdu, China, Jan 14, 2015.

Feldman S, invited Lecture: Optimizing breast conservation — Advances. The First

Affiliated Hospital of Dalian Medical University, Dalian, China, Jan 16, 2015.

Feldman S, Mammary Ductoscopy, 8th International Symposium on the Breast, Santa Monica, California, Feb 21, 2015.

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## CARDIAC SURGERY

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### Publications

Gillinov AM, Gelijns AC, Parides MK, DeRose JJ Jr, Moskowitz AJ, Voisine P, Ailawadi G, Bouchard D, Smith PK, Mack MJ, Acker MA, Mullen JC, Rose EA, Chang HL, Puskas JD, Couderc JP, Gardner TJ, Varghese R, Horvath KA, Bolling SF, Michler RE, Geller NL, Ascheim DD, Miller MA, Bagiella E, Moquete EG, Williams P, Taddei-Peters WC, O'Gara PT, Blackstone EH, Argenziano Surgical Ablation of Atrial Fibrillation during Mitral-Valve Surgery. M; CTSN Investigators. N Engl J Med. 2015 Mar 16. [Epub ahead of print].

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Pontallier M, Illangakoon E, Williams GR, Marijon C, Bellamy V, Balvay D, Autret G, Vanneaux V, Larghero J, Planat-Benard V, Perier MC, Bruneval P, Menasché P, Kalfa D. Polymer-Based Reconstruction of the Inferior Vena Cava in Rat: Stem Cells or RGD Peptide? Tissue Eng Part A. 2015 Mar 12. [Epub ahead of print].

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Mack MJ, Leon MB, Smith CR, Miller DC, Moses JW, Tuzcu EM, Webb JG, Douglas PS, Anderson WN, Blackstone EH, Kodali SK, Makkar RR, Fontana GP, Kapadia S, Bavaria J, Hahn RT, Thourani VH, Babaliaro V, Pichard A, Hermann HC, Brown DL, Williams M, Davidson MJ, Svensson LG, for the PARTNER I trial investigators 5-year outcomes of transcatheter aortic valve replacement or surgical aortic valve replacement for high surgical risk patients with aortic stenosis (PARTNER 1): a randomised controlled trial. Lancet. 2015 Mar 15. pii: S0140-6736(15)60308-7.

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Kapadia SR, Leon MB, Makkar RJ, Tuzcu EM, Svensson LG, Kodali S, Webb JG, Mack MJ, Douglas PS, MD, Thourani VH, Babavilaros VC, Herrmann HC, Szeto WY, Pichard AD, Williams MR, Fontana GP, Miller DC, Anderson WN, Smith CR, for the

PARTNER trial investigators Jodi J Akin J, Davidson MJ. 5-year outcomes of transcatheter aortic valve replacement compared with standard treatment for patients with inoperable aortic stenosis (PARTNER 1): a randomised controlled trial. Lancet. 2015 Mar 15. pii: S0140-6736(15)60290-2.

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Hybrid palliation for hypoplastic left heart syndrome: where do we stand now? Chai PJ.J Thorac Cardiovasc Surg. 2015 Jan;149(1):194.

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Kurlansky, PA. I know what the studies say, but what should I do for my patient? J Thorac Cardiovasc Surg 2014 Feb 14 pii: S0022-5223(15)00147-6.

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Kurlansky PA. Prosthetic valves and the unending quest for the holy grail. J Thorac Cardiovasc Surg 2015 Feb 14 pii: S0022-5223(15)00147-6.

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Uryash A, Bassuk J, Kurlansky P, Altamirano F, Lopez JR, Adams JA. Non-Invasive Technology That Improves Cardiac Function after Experimental Myocardial Infarction: Whole Body Periodic Acceleration (pGz). PLoS One. 2015 Mar 25;10(3):e0121069.

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Kurlansky P, Herbert M, Prince S, Mack MJ. Improved Long-Term Survival for Diabetic Patients With Surgical Versus Interventional Revascularization. Ann Thorac Surg. 2015 Feb 13. pii: S0003-4975(14)02199-7.

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Takayama H, Landes E, Truby L, Fujita K, Kirtane AJ, Mongero L, Yuzefpolskaya M, Colombo PC, Jorde UP, Kurlansky PA, Takeda K, Naka Y. Feasibility of smaller arterial cannulas in venoarterial extracorporeal membrane oxygenation. J Thorac Cardiovasc Surg. 2015 Feb 7. pii: S0022-5223(15)00100-2.

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Tejani M1, Yi SY, Eudailey KW, George I, Guarrera JV, Wagener G. Extracorporeal membrane oxygenation as a rescue device for postreperfusion cardiac arrest during liver transplantation. *Liver Transpl.* 2015 Mar;21(3):410-4.

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## **GI/ENDOCRINE**

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### **Presentations**

Lee L, Theodosopoulos E, Mitmaker EJ, Lee JA, Chabot JA, Kuo JH. Diagnostic Lobectomy for Thyroid Nodules >4cm with Benign Cytology after Fine-Needle Aspiration is Associated with Improved Outcomes at an Acceptable Cost Compared to Observation: A Cost-Effectiveness Analysis. Endocrine Society Annual Meeting. San Diego, March, 2015.

Kuo JH, Chabot JA, Terry MB, Lee JA. Increased incidence of thyroid cancer among breast cancer survivors: an analysis of the SEER 9-database. Endocrine Society Annual Meeting, San Diego, March, 2015.

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## **IMMUNOLOGY/TRANSPLANTATION**

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### **Book Chapter**

Li H, Yang YG, Sykes M. Thymic education of human T cells and regulatory T cell development in humanized mice. In: *Humanized Mice for HIV Research*; Poluektova LY, Garcia-Martinez JV, Koyanagi Y, Manz MG, Tager AM (Ed.), New York, NY, Springer Science+Business Media; 2014; 10: 127-140.

### **Publications**

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 Feb 25. [Epub ahead of print].

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## **PEDIATRIC SURGERY**

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### **Presentations**

Schad, CA; Monteagudo, J; Choudhury, T; Cheung, E; Kadenhe-Chiweshe, A; Middlesworth, W. Left atrial decompression on ECMO: a case review and proposed algorithm. 31st Annual Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure. Keystone, CO. February, 2015.

Spain, SN, Monteagudo, J, Schad CA, Middlesworth, W, Wung, JT. Use of continuous nebulization of iloprost for severe PPHN unresponsive to inhaled nitric oxide. 31st Annual Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure. Keystone, CO. February, 2015.

Monteagudo, J, Schad, CA, Fung, K, Brewer, M, Cheung, E, Diacovo, T, Ratner, V, Middlesworth, W. Evaluating sources of hemolysis: An ex vivo comparison of three ECMO circuits. 31st Annual Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure. Keystone, CO. February, 2015.

Monteagudo, J, Schad, CA, Kadenhe-Chiweshe, A, Stylianos, S, Stolar, C, Middlesworth, W. The Columbia ECMO fellowship: Where are they now? 31st Annual Children's National Symposium: ECMO and the Advanced Therapies for Respiratory Failure. Keystone, CO. February, 2015.

### **Publications**

Azarow KS, Cusick R, Wynn J, Chung W, Mychaliska GB, Crombleholme TM, Chung DH, Lim FY, Potoka D, Warner BW, Aspelund G, Arkovitz MS. The association between congenital diaphragmatic hernia and undescended testes. *J Pediatr Surg.* 2015 Feb 19. pii: S0022-3468(15)00105-0. doi: 10.1016/j.jpedsurg.2015.02.025. [Epub ahead of print].

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Salavitabar A, Anderson BR, Aspelund G, Starc TJ, Lai WW. Heterotaxy syndrome and intestinal rotational anomalies: Impact of the Ladd procedure. *J Pediatr Surg.* 2015 Mar 7. pii: S0022-3468(15)00167-0. doi: 10.1016/j.jpedsurg.2015.02.065. [Epub ahead of print].

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## PLASTIC SURGERY/ONCOLOGY

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### Publications

Banerjee D, Hernandez SL, Garcia A, Kangsamaksin T, Sbiroli E, Andrews J, Forrester LA, Wei N, Kadenhe-Chiweshe A, Shawber CJ, Kitajewski JK, Kandel JJ, Yamashiro DJ. Notch suppresses angiogenesis and progression of hepatic metastases. *Cancer Res.* 2015 Mar 5. pii: canres.1493.2014. [Epub ahead of print].

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Wu JK, Kitajewski C, Reiley M, Keung CH, Monteagudo J, Andrews JP, Liou P, Thirumoorthi A, Wong A, Kandel JJ, Shawber CJ. Aberrant lymphatic endothelial progenitors in lymphatic malformation development. *PLoS One.* 2015 Feb 26;10(2):e0117352. doi: 10.1371/journal.pone.0117352. eCollection 2015.

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Growth Hormone Induces Recurrence of Infantile Hemangiomas After Apparent Involution: Evidence of Growth Hormone Receptors in Infantile Hemangioma. Munabi NC, Tan QK, Garzon MC, Behr GG, Shawber CJ, Wu JK. *Pediatr Dermatol.* 2015 Feb 18. doi: 10.1111/pde.12530. [Epub ahead of print].

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NOTCH decoys that selectively block DLL/NOTCH or JAG/NOTCH disrupt angiogenesis by unique mechanisms to inhibit tumor growth. Kangsamaksin T, Murtomaki A, Kofler NM, Cuervo H, Chaudhri RA, Tattersall IW, Rosenstiel PE, Shawber CJ, Kitajewski J. *Cancer Discov.* 2015 Feb;5(2):182-97. doi: 10.1158/2159-8290.CD-14-0650. Epub 2014 Nov 11.

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630 West 168th Street  
Box 94  
New York, NY 10032  
[info@columbiasurgery.org](mailto:info@columbiasurgery.org)