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Dear Colleague,

In this issue, we're pleased to announce the winners of this year's Blakemore Prizes and to report on the success of the first Department of Surgery Research Symposium in June.

This newsletter has proven to be a valuable resource so I hope you will 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.

Remember, journal links may require subscriptions or a log-in through the Columbia library while PubMed links are accessible to all.

Craig R. Smith, MD, FACS
Chair, Department of Surgery

CONGRATULATIONS

The 2017 Blakemore Prizes have been awarded to the following graduating residents for the best contributions to research during their residency:

Joshua Weiner for his extremely productive work in both clinical and experimental transplantation immunology.

Mauer Biscoti for her extensive clinical and translational work with ECMO support.

Robert Neely for his landmark work in cardiac surgical outcomes.

The participants and organizers of this year's highly successful Department of Surgery **INAUGURAL SURGICAL RESEARCH SYMPOSIUM**, gathered here on **Friday, June 9, 2017**.

Blakemore Awards for the best presentations at the Symposium were granted to: Kazuki Sugaraha, Shunpei Okochi, Elizabeth H. Stephens, and Caitlin Demarest (shown in the photograph below).



Left to right: Craig Smith, Caitlin Demarest, Elizabeth H. Stephens, Kazuki Sugaraha, Shunpei Okochi, Chris Larsen (the scholar in residence for the symposium) and Nigel Bunnett

Dr. Joshua Sonnet's article "[Bilateral VATS thymectomy in the treatment of myasthenia gravis](#)" appeared in the *Journal of Video-Assisted Thoracic Surgery* and was also the topic of a special interview in a focused issue on Minimally Invasive VATS Thymectomy for Myasthenia Gravis presented at the European Society of Thoracic Surgeons last month in Austria.

Dr. Christine Rhode was interviewed about her National Endowment for Plastic Surgery grant research regarding the use of pulsed electromagnetic field therapy for pain control in breast reconstruction in the June 2017 issue of the *American Society of Plastic Surgeons Plastic Surgery News*.

Dr. William Middlesworth's work on a [patient with esophageal atresia and tracheoesophageal fistula](#) was featured in the *New York Daily News*.

CARDIAC SURGERY

Presentations

*American Diabetes Association's 77th Scientific Sessions
San Diego, CA, June 9-13, 2017*

Goland, Robin S.; Camacho-Rivera, Johanna; Raza, Syed T.; Kurlansky, Paul A.
Positive influence of weekly diabetes workshops for health care providers managing patients recovering after coronary bypass graft surgery (CABG): Its potential role in reducing the surgical site infections.

*Adult Congenital Heart Association
Orlando, FL , June 2, 2017*

Invited Lecture: Kalfa D. 3D printing and how it impacts, diagnoses, interventions and surgical outcomes.

Publications

Anderson BR, Blancha VL, Duchon JM, Chai PJ, Kalfa D, Bacha EA, Krishnamurthy G, Ratner V. The effects of postoperative hematocrit on shunt occlusion for neonates undergoing single ventricle palliation. *J Thorac Cardiovasc Surg.* 2017 Apr;153(4):947-955.

[Journal link](#)

[PubMed link](#)

Hommes-Schattmann PJ, Neffe AT, Ahmad B, Williams GR, M'Bele G, Vanneaux V, Menasché P, Kalfa D, Lendlein A. RGD constructs with physical anchor groups as polymer co-electrospinnable cell adhesives. *Polymers for Advanced Technologies.* 10 NOV 2016, DOI: 10.1002/pat.3963.

[Journal link](#)

Abadeer AI, Kurlansky P, Chiuzan C, Truby L, Radhakrishnan J, Garan R, Topkara V, Yuzefpolskaya M, Colombo P, Takeda K, Naka Y, Takayama H. Importance of stratifying acute kidney injury in cardiogenic shock resuscitated with mechanical circulatory support therapy. *J Thorac Cardiovasc Surg.* 2017 Apr 25. pii: S0022-5223(17)30862-0. doi: 10.1016/j.jtcvs.2017.04.042. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Kalfa D, Belli E, Bacha E, Lambert V, di Carlo D, Kostolny M, Salminen J, Nosal M, Poncelet A, Horer J, Berggren H, Yemets I, Hazekamp M, Maruszewski B, Sarris G, Pozzi M, Ebels T, Lacour-Gayet F; European Congenital Heart Surgeons Association. Primary Pulmonary Vein Stenosis: Outcomes, Risk Factors, and Severity Score in a Multicentric Study. *Ann Thorac Surg.* 2017 Jul;104(1):182-189.

[Journal link](#)

[PubMed link](#)

Song J, Ascherman B, Eudailey KW, Mohar M, Argenziano M, Takayama H, George I. Long-term failure of Amplatzer plugs in the treatment of aortic pathology. *J Card Surg*. 2017 Jun 23. doi: 10.1111/jocs.13166. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Wright M, Takeda K, Mauro C, Jennings D, Kurlansky P, Han J, Truby L, Stein S, Topkara V, Garan AR, Yuzefpolskaya M, Colombo P, Naka Y, Farr M, Takayama H. Dose-dependent association between amiodarone and severe primary graft dysfunction in orthotopic heart transplantation. *J Heart Lung Transplant*. 2017 May 20. pii: S1053-2498(17)31806-5. doi: 10.1016/j.healun.2017.05.025. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

COLORECTAL

Publications

Al-Mazrou A, Kiran R, Lee-Kong S, Feingold D, Pappou E. Robotic Right Hemicolectomy with Intracorporeal Anastomosis Using V-Loc™ – Video Vignette. *Colorectal Dis*. 2017 May 19. doi: 10.1111/codi.13737. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Al-Mazrou A, Kiran R, Pappou E, Feingold D, Lee-Kong S. Robotic Ventral Mesh Rectopexy – Video Vignette. *Colorectal Dis*. 2017 May 18. doi: 10.1111/codi.13736. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

IMMUNOLOGY/TRANSPLANTATION

Publications

Shah JA, Tanabe T, Yamada K. Role of Intrinsic Factors in the Growth of Transplanted Organs Following Transplantation *J Immuno Biol* 2017, 2 (2): 122.1-14.

[Journal link](#)

[PubMed link](#)

Shah JA, Patel MS, Elias N, Navarro-Alvarez N, Rosales I, Wilkinson RA, Louras NJ, Hertl M, Fishman JA, Colvin RB, Cosimi AB, Markmann JF, Sachs DH, Vagefi PA. Prolonged Survival Following Pig-to-Primate Liver Xenotransplantation Utilizing Exogenous Coagulation Factors and Costimulation Blockade. *Am J Transplant*. 2017 May 10. doi: 10.1111/ajt.14341. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Tanabe T, Watanabe H, Shah JA, Sahara H, Shimizu A, Nomura S, Asfour A, Danton M, Boyd L, Dardenne Meyers A, Ekanayake-Alper DK, Sachs DH, Yamada K. Role of Intrinsic (Graft) Versus Extrinsic (Host) Factors in the Growth of Transplanted Organs Following Allogeneic and Xenogeneic Transplantation. *Am J Transplant*. 2017 Jan 24. doi: 10.1111/ajt.14210. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Yamada K, Shah JA, Tanabe T, Lanaspá MA, Johnson RJ. Xenotransplantation: Where Are We with Potential Kidney Recipients? Recent Progress and Potential Future Clinical Trials. *Current Transplantation Reports*. 2017 June; 4 (2): 101-109.

[Journal link](#)

Book Chapter

Kazuhiko Yamada*, Masayuki Tasaki, Adam Griesemer and Jigesh Shah, *Kidney Transplantation, Bioengineering, and Regeneration 1st Edition -Kidney Transplantation in the Regenerative Medicine Era Chapter 84: Xenotransplantation and Kidney Regenerative technology* Eds: Giuseppe Orlando, Giuseppe Remuzzi, David Williams. Publisher: AP - Elsevier. eBook ISBN: 9780128018361, Hardcover ISBN: 9780128017340.

GI/ENDOCRINE

Presentations

World Conference on Interventional Oncology
Boston, MA, June 8-11, 2017

Kluger M. Role of IRE in Surgical Resectability (Open vs. Percutaneous) of Pancreatic Cancer.

PEDIATRIC SURGERY

Presentations

*50th Annual Meeting of the Pacific Association of Pediatric Surgeons
Seattle, WA, May 28-June 1, 2017*

Shieh HF, Ahmed A, Zurakowski D, Fauza DO. Induced Chemotaxis and Haptotaxis of Human Mesenchymal Stem Cells: A Comparison of Clinically Relevant Cell Sources.

Shieh HF, Estroff JA, Barnewolt CE, Zurakowski D, Tan WH, Buchmiller TL. Prenatal Imaging Throughout Gestation in Beckwith-Wiedemann Syndrome.

Publications

Shieh HF, Jennings RW. Long-gap esophageal atresia. *Semin Pediatr Surg* 2017; 26(2): 72-7.

[Journal link](#)

[PubMed link](#)

PLASTIC SURGERY

Publications

Shaughness G, Blackburn C, Ballestín A, Akelina Y, Ascherman JA. Predicting Thrombosis Formation in 1-mm-Diameter Arterial Anastomoses with Transit-Time Ultrasound Technology. *Plast Reconstr Surg*. 2017 Jun;139(6):1400-1405.

[Journal link](#)

[PubMed link](#)

THORACIC SURGERY

Publications

Asmar R, Sonett JR, Singh G, Mansukhani MM, Borczuk AC. Use of oncogenic driver mutations in staging of multiple primary lung carcinomas: A single center experience. *J Thorac Oncol*. 2017 Jun 21. pii: S1556-0864(17)30465-3. doi: 10.1016/j.jtho.2017.06.012. [Epub ahead of print]

[PubMed link](#)

Baldwin MR, Singer JP, Huang D, Sell J, Gonzalez WC, Pollack L, Maurer MS,

D'Ovidio FF, Bacchetta M, Sonett JR, Arcasoy SM, Shah L, Robbins H, Hays SR, Kukreja J, Greenland JR, Shah RJ, Leard L, Morrell M, Gries C, Katz PP, Christie JD, Diamond JM, Lederer DJ. Refining Low Physical Activity Measurement Improves Frailty Assessment in Advanced Lung Disease and Survivors of Critical Illness. *Ann Am Thorac Soc*. 2017 Apr 11. doi: 10.1513/AnnalsATS.201612-1008OC. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Bromberger B, Sonett J. Bilateral VATS thymectomy in the treatment of myasthenia gravis. *Video-Assisted Thoracic Surgery*. March, 2017 doi: 10.21037/vats.2017.02.02.

[Article link](#)

Costa J, Luke J, Benvenuto J, Sonett JR. Long term outcomes and management of the lung transplant recipient. *Best Practice & Research Clinical Anesthesiology*. May 30, 2017. doi: 10.1016/j.bpa.2017.05.006.

[Journal link](#)

Downey P, Middlesworth W, Bacchetta M, Sonett J. Recurrent and congenital tracheoesophageal fistula in adults. *Eur J Cardiothorac Surg*. 2017 May 31. doi: 10.1093/ejcts/ezx164. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Sonett JR, Magee MJ, Gorenstein L. Thymectomy and myasthenia gravis: A history of surgical passion and scientific excellence. *J Thorac Cardiovasc Surg*. 2017 Jul;154(1):306-309.

[Journal link](#)

[PubMed link](#)

VASCULAR SURGERY

Presentations

*Annual Meeting of the Society for Vascular Surgery
San Diego, CA, June 10-12, 2017*

Hoyler, M, Rao, M, Morrissey N Outcomes of a Single-Stage Basilic Vein Transposition for Hemodialysis Access in a Diverse Patient Population.

Hoyler M, Morrissey N, Endovascular Interventions in the Management of Postpartum Hemorrhage Due to Placenta Accreta.