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Dear Colleague,

In this issue, I would like to call your attention to Dr. Yoshifumi Naka's landmark presentation at the American College of Cardiology and his role as senior author in the New England Journal of Medicine paper on the favorable findings of the MOMENTUM3 trial, describing third generation ventricular assist device therapy for advanced heart failure. You can access the full article [here](#).

Below we highlight our recent faculty achievements in cardiac, colorectal, pediatric and vascular surgery.

The Research Letter 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.

Remember, journal links may require subscriptions or a log-in through the Columbia library while PubMed links are accessible to all. Where there is only a journal link, the paper has not yet been downloaded to PubMed.

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
Chair, Department of Surgery

CONGRATULATIONS

To Dr. Yoshifumi Naka on the landmark presentation at the American College of Cardiology with simultaneous publication as senior author in the New England Journal of Medicine of the favorable findings of the MOMENTUM 3 trial of third generation ventricular assist device therapy for advanced heart failure.

CARDIAC SURGERY

Publications

Birati EY, Hanff TC, Maldonado D, Grandin EW, Kennel PJ, Mazurek JA, Vorovich E, Seigerman M, Howard JLL, Acker MA, Naka Y, Wald J, Goldberg LR, Jessup M, Atluri P, Margulies KB, Schulze PC, Rame JE. Predicting Long Term Outcome in Patients Treated With Continuous Flow Left Ventricular Assist Device: The Penn-Columbia Risk Score. *J Am Heart Assoc*. 2018 Mar 7;7(6). pii: e006408. doi: 10.1161/JAHA.117.006408.

[Journal link](#)

[PubMed link](#)

Cevasco M, Takeda K, Chan CW, Ando M, Takayama, H. *J Thorac Cardiovasc Surg*, Published online March 26, 2018.

[Journal link](#)

Langer NB, Takayama H. Albumin (but not Alvin) and the chipmunks help protect our brain. *J Thorac Cardiovasc Surg*, Published online March 10, 2018.

[Journal link](#)

Mehra MR, Goldstein DJ, Uriel N, Cleveland JC Jr., Yuzefpolskaya M, Salerno C, Walsh MN, Milano CA, Patel CB, Ewald GA, Itoh A, Dean D, Krishnamoorthy A, Cotts WG, Tatoes AJ, Jorde UP, Bruckner BA, Estep JD, Jeevanandam V, Sayer G, Horstmanshof D, Long JW, Gulati S, Skipper ER, O'Connell JB, Heatley G, Sood P, Naka Y; MOMENTUM 3 Investigators. Two-Year Outcomes with a Magnetically Levitated Cardiac Pump in Heart Failure. *N Engl J Med*. 2018 Mar 11. doi: 10.1056/NEJMoa1800866. [Epub ahead of print].

[Journal link](#)

[PubMed link](#)

Nakamura Y, Kalfa D, Chai P, Chelliah A, Freud L, Bacha E, Quaegebeur J. Significance of Intraoperative Revision During Arterial Switch Operation in the Current Era. *World J Pediatr Congenit Heart Surg*. 2018 Mar;9(2):194-200. doi: 10.1177/2150135118754521.

[Journal link](#)

[PubMed link](#)

O'Brien SM, Feng L, He X, Xian Y, Jacobs JP, Badhwar V, Kurlansky PA, Furnary AP, Cleveland JC Jr., Lobdell KW, Vassileva C, Wyler von Ballmoos MC, Thourani VH,

Rankin JS, Edgerton JR, D'Agostino RS, Desai ND, Edwards FH, Shahian DM. The Society of Thoracic Surgeons 2018 Adult Cardiac Surgery Risk Models: Part 2 – Statistical Methods and Results. *Ann Thorac Surg*. 2018 Mar 22. pii: S0003-4975(18)30371-0. doi: 10.1016/j.athoracsur.2018.03.003. [Epub ahead of print].

[Journal link](#)

[PubMed link](#)

Praz F, Khalique OK, Lee R, Veeragandham R, Russel H, Guerrero M, Islam A, Deaton DW, Kaneko T, Kodali SK, Leon MB, Bapat V, Takayama H, Gorger MA, George I. Transatrial implantation of a transcatheter heart valve for severe mitral annular calcification. *J Thorac Cardiovasc Surg*. Published online March 12, 2018.

[Journal link](#)

Shahian DM, Jacobs JP, Badhwar V, Kurlansky PA, Furnary AP, Cleveland JC Jr., Lobdell KW, Vassileva C, Wyler von Ballmoos MC, Thourani VH, Rankin JS, Edgerton JR, D'Agostino RS, Desai ND, Feng L, He X, O'Brien SM. The Society of Thoracic Surgeons 2018 Adult Cardiac Surgery Risk Models: Part 1 – Background, Design Considerations, and Model Development. *Ann Thorac Surg*. 2018 Mar 22. pii: S0003-4975(18)30370-9. doi: 10.1016/j.athoracsur.2018.03.002. [Epub ahead of print].

[Journal link](#)

[PubMed link](#)

Smith CR. Frailty is to predictive as Jello is to wall. *J Thorac Cardiovasc Surg*. 2018 Feb 8. pii: S0022-5223(18)30303-9. doi: 10.1016/j.jtcvs.2018.01.068.

[Journal link](#)

[PubMed link](#)

Soo-Hoo S, Nemeth S, Baser O, Argenziano M, Kurlansky P. East meets West: the influence of racial, ethnic and cultural risk factors on cardiac surgical risk model performance. *Heart Asia*. 2018 Feb 27;10(1):e010995. doi: 10.1136/heartasia-2017-010995. eCollection 2018.

[Full article](#)

[Abstract](#)

Stohr EJ, Takayama H, Ferrari G. Stretch your heart—but not too far: The role of titin mutations in dilated cardiomyopathy. *J Thorac Cardiovasc Surg*. Published online March 12, 2018.

[Journal link](#)

Yu SN, Han J, Takeda K, Ginns JN, Kurlansky PA, Garan AR, Yuzefpolskaya M,

Topkara VK, Colombo PC, Naka Y, Takayama H. Role of computed tomography angiography for HeartMate II left ventricular assist device thrombosis. *Int J Artif Organs*. 2018 Mar 1:391398818762354

[Journal link](#)

[PubMed link](#)

COLON AND RECTAL SURGERY

Publications

Althans AR, Brady JT, Times ML, Keller DS, Harvey AR, Kelly ME, Patel ND, Steele SR. Colorectal Cancer Safety Net: Is It Catching Patients Appropriately? *Dis Colon Rectum*. 2018 Jan;61(1):115-123. doi: 10.1097/DCR.0000000000000944. PubMed PMID: 29219921.

[Journal link](#)

[PubMed link](#)

Augestad KM, Keller DS, Bakaki PM, Rose J, Øresland T, Delaney CP. The Impact of Rectal Cancer Tumor Height on Recurrence Rates and Metastatic Location. A Competing Risk Analysis of a National Database. *Cancer Epidemiol*. 2018 Jan 30;53:56-64 doi: 10.1016/j.canep.2018.01.009. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Bordeianou LG, Carmichael JC, Paquette IM, Wexner S, Hull TL, Bernstein M, Keller DS, Zutshi M, Varma MG, Gurland BH, Steele SR. Consensus Statement of Definitions for Anorectal Physiology Testing and Pelvic Floor Terminology (Revised). *Dis Colon Rectum*. 2018 Apr;61(4):421-427. doi: 10.1097/DCR.0000000000001070.

[Journal link](#)

[PubMed link](#)

Chand M, Keller DS, Devoto L, McGurk M. Furthering Precision in Sentinel Node Navigational Surgery for Oral Cancer: A Novel Triple Targeting System. *Journal of Fluorescence*. *J Fluoresc*. 2018 Jan 22. doi: 10.1007/s10895-018-2211-x. [Epub ahead of print].

[Journal link](#)

[PubMed link](#)

Chand M, Keller DS, Joshi HM, Devoto L, Rodriguez-Justo M, Cohen R. Feasibility of fluorescence lymph node imaging in colon cancer: FLICC. *Tech Coloproctol*. 2018 Mar 17. doi: 10.1007/s10151-018-1773-6. [Epub ahead of print].

[Journal link](#)

[PubMed link](#)

Charak G, Kuritzkes BA, Al-Mazrou A, Suradkar K, Valizadeh N, Lee-Kong SA, Feingold DL, Pappou EP. Use of an ACE inhibitor or angiotensin receptor blocker is a major risk factor for dehydration requiring readmission in the setting of a new ileostomy. *Int J Colorectal Dis*. 2018 Mar;33(3):311-316. doi: 10.1007/s00384-017-2961-y. Epub 2018 Jan 27.

[Journal link](#)

[PubMed link](#)

Davis BR, Lee-Kong SA, Migaly J, Feingold DL, Steele SR. The American Society of Colon and Rectal Surgeons Clinical Practice Guidelines for the Management of Hemorrhoids. *Dis Colon Rectum*. 2018 Mar;61(3):284-292. doi: 10.1097/DCR.0000000000001030.

[Journal link](#)

[PubMed link](#)

Keller DS, Winter DC, Pellino G, Cologne KG, Smart NJ, Brady RRW. #colorectalresearch: Introducing a Disruptive Technology for Academic Surgery in the Social Media Age. *Dis Colon Rectum*. 2018 Mar;61(3):279-280 doi: 10.1097/DCR.0000000000001000. PMID: 29369897.

[Journal link](#)

[PubMed link](#)

Keller DS, Flores Gonzalez JR, Chand M. Multimodal Use of Fluorescent Imaging in Colorectal Cancer Surgery. *Dis Colon Rectum*. 2018 Jan;61(1):139. doi: 10.1097/DCR.0000000000000979. PubMed PMID: 29219923.

[Journal link](#)

[PubMed link](#)

Suradkar K, Pappou EE, Lee-Kong SA, Feingold DL, Kiran RP. Anal canal squamous cell cancer: are surgical alternatives to chemoradiation just as effective? *Int J Colorectal Dis*. 2018 Feb;33(2):181-187. doi: 10.1007/s00384-017-2938-x. Epub 2017 Dec 21.

[Journal link](#)

[PubMed link](#)

Book Chapters

Pelvic Floor Dysfunction. Keller DS, Silviera M. in Shackelford's Surgery of the Alimentary Tract, 8th ed. Yeo CJ, DeMeester SR, McFadden DW, Matthews JB, Fleshman JW. Elsevier, Philadelphia, PA.

Perineal Prolapse Repair. Keller DS, Joshi, HM, Cohen R. Master Techniques in Surgery: Colon and Rectal Surgery: Anorectal Operations, 2nd edition, Eds: Wexner SD, Fleshman JW. Lippincott Williams & Wilkins, Philadelphia, PA.

Anal Encirclement Procedures for Prolapse. Lichliter WE, Keller DS. Master Techniques in Surgery: Colon and Rectal Surgery: Anorectal Operations, 2nd edition, Eds: Wexner SD, Fleshman JW. Lippincott Williams & Wilkins, Philadelphia, PA.

Pilonidal Disease: Incision, Excision, and VAC. Keller DS, Pendola, M. Master Techniques in Surgery: Colon and Rectal Surgery: Anorectal Operations, 2nd edition, Eds: Wexner SD, Fleshman JW. Lippincott Williams & Wilkins, Philadelphia, PA.

Transanal Endoscopic Operating. Keller DS, Atallah S. Master Techniques in Surgery: Colon and Rectal Surgery: Anorectal Operations, 2nd edition, Eds: Wexner SD, Fleshman JW. Lippincott Williams & Wilkins, Philadelphia, PA.

PEDIATRIC SURGERY

Publications

Pratt JSA, Brown A, Browne NT, Bruzoni M, Cohen M, Desai A, Ine T, Linden BC, Mattar SG, Michalsky M, Podkameni D, Reichard KW, Stanford FC, Zeller MH, Zitsman J. ASMBS Pediatric Metabolic and Bariatric Surgery Guidelines, 2018. *Surgery for Obesity and Related Diseases*, online 23 March 2018.

[Journal link](#)

VASCULAR SURGERY

Presentations

*Society for Clinical Vascular Surgery 45th Annual Meeting
Orlando, FL, March 18-22, 2018*

Futchko J, DeCarlo C, Phair , Trestman E, Lipsitz E, Vitti M, Porreca F. Single institution experience of tibial bypass with autologous and nonautologous conduit.



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