

Department of Surgery Grant Activity Report

Congratulations to the following Department of Surgery Principal Investigators, who received a combined total of \$13.3 million in new awards and competing renewals in the previous quarter!



Heather Evans, MD, MS

Potrero Medical, Inc.

Physiologic signals and signatures with the Accury™ System in Intensive Care Patients

Farhood Farjah, MD

Fred Hutchinson
Cancer Research Center (FHCRC)
*Using risk-prediction to improve lung
cancer surveillance*



David Flum, MD, MPH

Patient-Centered Outcomes
Research Institute (PCORI)
*Comparing Outcomes of Drugs and
Appendectomy (CODA)*



James Park, MD

Chugai Pharmaceutical Co., Ltd.
Novel antibody-based theranostics of HCC



Jorge Reyes, MD

TransMedics, Inc.
*International Randomized Trial to Evaluate The
Effectiveness of The Portable Organ Care System
(OCS™) Liver For Preserving and Assessing Donor
Livers for Transplantation
(OCS™ Liver PROTECT Trial)*



Publications

Cardiothoracic Surgery Division

Hermesen JL, Chen JM. **Surgical Considerations in d-Transposition of the Great Arteries.** *Semin Cardiothorac Vasc Anesth.* 2015 Sep;19(3):223-32. PMID: 25918115

Hermesen JL, Smith JW, Pal JD, Mahr C, Masri SC, Dardas TF, Cheng RK, Mokadam NA. **Late Surgical Bleeding Following Total Artificial Heart Implantation.** *J Card Surg.* 2015 Aug 19. PMID: 26286927

Farjah F, Wood DE, Zadworny ME, Rusch VW, Rizk NP. **Resected Lung Cancer Patients Who Would and Would Not Have Met Screening Criteria.** *Ann Thorac Surg.* 2015 Aug 19. PMID: 26298169

Mokadam NA, Lee R, Vaporciyan AA, Walker JD, Cerfolio RJ, Hermesen JL, Baker CJ, Mark R, Aloia L, Enter DH, Carpenter AJ, Moon MR, Verrier ED, Fann JI. **Gamification in thoracic surgical education: Using competition to fuel performance.** *J Thorac Cardiovasc Surg.* 2015 Jul 26. PMID: 26318012

Farjah F, Madtes DK, Wood DE, Flum DR, Zadworny ME, Waworuntu R, Hwang B, Mulligan MS. **Vascular endothelial growth factor C complements the ability of positron emission tomography to predict nodal disease in lung cancer.** *J Thorac Cardiovasc Surg.* 2015 Aug 6. PMID: 26320776

General Surgery Division

Lange EO, Ferrari L, Krane M, Fichera A. **Ligation of Intersphincteric Fistula Tract: a Sphincter-Sparing Option for Complex Fistula-in-Ano.** *J Gastrointest Surg.* 2016 Feb;20(2):439-44. PMID: 26394877

Ehlers AP, Talan DA, Moran GJ, Flum DR, Davidson GH. **Evidence for an Antibiotics-First Strategy for Uncomplicated Appendicitis in Adults: A Systematic Review and Gap Analysis.** *J Am Coll Surg.* 2016 Mar;222(3):309-14. PMID: 26712246

Dellinger EP. **Teamwork and Collaboration for Prevention of Surgical Site Infections.** *Surg Infect (Larchmt).* 2016 Apr;17(2):198-202. PMID: 26885871

Wright AS, Khandelwal S. **Task performance in standard laparoscopy in comparison with single-incision laparoscopy in a modified skills trainer.** *Surg Endosc.* 2016 Aug;30(8):3591-7. PMID: 26823059

Faculty (Bold); Staff/Residents/Fellows (Italicized) (continued on page 25)

Publications

Continued from page 24

Pediatric General Surgery Division

Flanagan MR, Rendi MH, Gadi VK, Calhoun KE, Gow KW, Javid SH. **Adjuvant Endocrine Therapy in Patients with Ductal Carcinoma In Situ: A Population-Based Retrospective Analysis from 2005 to 2012 in the National Cancer Data Base.** Ann Surg Oncol. 2015 Oct;22(10):3264-72. PMID: 26202556

Gadepalli SK, Downard CD, Thatch KA, Islam S, Azarow KS, Chen MK, Lillehei CW, Puligandla PS, Reynolds M, Waldhausen JH, Oldham KT, Langham MR Jr, Tracy TF Jr, Hirschl RB; Association of Pediatric Surgery Training Program Directors. **The effort and outcomes of the Pediatric Surgery match process: Are we interviewing too many?** J Pediatr Surg. 2015 Nov;50(11):1954-7. PMID: 26165158

Richards MK, Yanez D, Goldin AB, Grieb T, Murphy WM, Drugas GT. **Factors associated with 30-day unplanned pediatric surgical readmission.** Am J Surg. 2016 Feb 25. [Epub ahead of print]. PMID: 26924805

Riggle KM, Riehle KJ, Kenerson HL, Turnham R, Homma MK, Kazami M, Samelson B, Bauer R, McKnight GS, Scott JD, Yeung RS. **Enhanced cAMP-stimulated protein kinase A activity in human fibrolamellar hepatocellular carcinoma.** Pediatr Res. 2016 Mar 8. [Epub ahead of print]. PMID: 27027723

Riggle KM, Turnham R, Scott JD, Yeung RS, Riehle KJ. **Fibrolamellar Hepatocellular Carcinoma: Mechanistic Distinction From Adult Hepatocellular Carcinoma.** Pediatr Blood Cancer. 2016 Mar 14. [Epub ahead of print]. PMID: 26990031

Plastic Surgery Division

Tse R, Kozin SH, Malessy MJ, Clarke HM. **International Federation of societies for surgery of the hand committee report: the role of nerve transfers in the treatment of neonatal brachial plexus palsy.** J Hand Surg Am. 2015 Jun;40(6):1246-59. PMID: 25936735

Winters BR, Mann GN, Louie O, Wright JL. **Robotic total pelvic exenteration with laparoscopic rectus flap: initial experience.** Case Rep Surg. 2015;2015:835425. PMID: 25960911

Tarabdkar N, Iorio ML, Gundle K, Friedrich JB. **The Use of Pulse Oximetry for Objective Quantification of Vascular Injuries in the Hand.** Plast Reconstr Surg. 2015 Aug 10. PMID: 26267399

Faculty (**Bold**); Staff/Residents/Fellows (*Italicized*)

Gougoutas AJ, Bastidas N, Bartlett SP, Jackson O. **The use of computer-aided design/manufacturing (CAD/CAM) technology to aid in the reconstruction of congenitally deficient pediatric mandibles: A case series.** Int J Pediatr Otorhinolaryngol. 2015 Dec;79(12):2332-42. PMID: 26574173

Birgfeld CB, Roberts S. **Discussion: Comparative Outcomes of Primary Gingivoperiosteoplasty and Secondary Alveolar Bone Grafting in Patients with Unilateral Cleft Lip and Palate.** Plast Reconstr Surg. 2016 Jan;137(1):228-9. PMID: 26710027

Trauma, Burn & Critical Care Division

McIntyre LK, Arbabi S, Robinson EF, Maier RV. **Analysis of Risk Factors for Patient Readmission 30 Days Following Discharge From General Surgery.** JAMA Surg. 2016 Jun 15. PMID: 27303913

Sood RF, Muffley LA, Seaton ME, Ga M, Sirimahachaiyakul P, Hocking AM, Gibran NS. **Dermal Fibroblasts from the Red Duroc Pig Have an Inherently Fibrogenic Phenotype: An In Vitro Model of Fibroproliferative Scarring.** Plast Reconstr Surg. 2015 Nov;136(5):990-1000. PMID: 26505702

Stewart BT, Quansah R, Gyedu A, Boakye G, Abantanga F, Ankomah J, Donkor P, Mock C. **Serial Assessment of Trauma Care Capacity in Ghana in 2004 and 2014.** JAMA Surg. 2016 Feb;151(2):164-71. PMID: 26502036

Tom LK, Wright TJ, Horn DL, Bulger EM, Pham TN, Keys KA. **A Skin-Sparing Approach to the Treatment of Necrotizing Soft-Tissue Infections: Thinking Reconstruction at Initial Debridement.** J Am Coll Surg. 2016 May;222(5):e47-60. PMID: 26968320

Parent BA, Seaton M, Sood RF, Gu H, Djukovic D, Raftery D, O'Keefe GE. **Use of Metabolomics to Trend Recovery and Therapy After Injury in Critically Ill Trauma Patients.** JAMA Surg. 2016 Jul 20;151(7):e160853. PMID: 27223119