

Division of Colon and Rectal Surgery

Description

This new addition to the Department of Surgery labs has translational and clinical arms focusing on diseases of the colon, rectum, and anus. Translational research efforts focus on chromosomal instability and genomic complexity in the pathogenesis of colorectal cancer using prospectively collected tissues. The lab works closely with the UT Tissue Bank Core. Techniques focus on methods of molecular karyotyping including multiplex fluorescent in-situ hybridization (M-FISH). Trace element variations in normal and diseased colonic epithelium is an emerging area of interest. Translational studies are performed by a postdoctoral fellow in surgery with a dedicated research project under the supervision of Dr. Cromwell. Clinical studies for advancing and improving care of patients with colorectal diseases are also performed.

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Recently published articles

Cromwell, JW, Santiago, LT, Marcet, JE. Treatment of Rectal Cancer [letter]. *New England Journal of Medicine*. 2006 Dec 7;355(23):2487

Zhang X, Cromwell JW, Kunjummen BD, Yee D, Garcia-Aguilar J. The alpha2 and alpha3 integrins are required for morphologic differentiation of an intestinal epithelial cell line. *Surgery*. 2003 Apr;133(4):429-37.

Friel CM, Cromwell JW, Marra C, Madoff RD, Rothenberger DA, Garcia-Aguilar J. Salvage radical surgery after failed local excision for early rectal cancer. *Diseases of the Colon & Rectum*. 45(7):875-9, 2002 Jul.

Garcia-Aguilar J, Cromwell JW, Marra C, Lee SH, Madoff RD, Rothenberger DA. Treatment of locally recurrent rectal cancer. *Diseases of the Colon & Rectum*. 44(12):1743-8, 2001 Dec.

Yiu R, Wong SK, Cromwell J, Madoff RD, Rothenberger DA, Garcia-Aguilar J. Pelvic wall involvement denotes a poor prognosis in T4 rectal cancer. *Diseases of the Colon & Rectum*. 44(11):1676-81, 2001 Nov.

Recent Presentations:

K. Emmett, L. Mattingly-Wells, L. Santiago, J Marcet, J.W. Cromwell. Do Surgeon Attitudes Contribute to the Underutilization of Neoadjuvant Chemoradiation Therapy for the Treatment of Rectal Cancer? *American Society of Colon & Rectal Surgeons*, June 2008, Boston, MA

Santiago, L. T., Sanchez, J., Marcet, J. E., and Cromwell, J. W. Underutilization of Adjuvant Radiation Therapy for Locally Advanced Rectal Cancer with Advancing Age. American Society of Colon & Rectal Surgeons, June 2007, St. Louis, MO.

Khera, S., Davis, H., Marcet, J., and Cromwell, J. W. Excessive Mortality of Patients with Rectal Prolapse Undergoing Abdominal Surgery in the United States. American Society of Colon & Rectal Surgeons, June 2007, St. Louis, MO.

Santiago, L. T., Cromwell, J. W., Jordan, T., and Marcet, J. E. Is Transanal Excision Only For Early Stage Rectal Cancer? Results of Transanal Excision of Locally Advanced Rectal Cancer Following Combined Modality Therapy. American Society of Colon & Rectal Surgeons, June 2007, St. Louis, MO.