

BWH Gastroenterology 2005 Publications and Grants

Peter Banks, MD

1. Tatli S, Morteale KJ, Levy AD, Glickman JN, Ros PR, Banks PA, Silverman SG. CT and MR imaging features of pure acinar cell carcinoma of the pancreas in adults. *Am J Roentgenol* 2005; 184: 511-519.
2. Reddy SI, Friedman S, Telford JJ, Strate L, Ookubo R, Banks PA. Are patients with inflammatory bowel disease receiving optimal care? *Am J Gastroenterol* 2005; 100: 1357-1361.
3. Banks PA. Chapter 8: Sterile necrosis and/or pseudocyst - endoscopic intervention, surgery, or wait and see? In *Pancreatitis: Advances in pathobiology, diagnosis, and treatment*. Falk Symposium no. 143. ed. RW Amman, MW Buchler, G Adler, EP DiMagno, and M Sarner. Springer, Netherlands 2005: 79-88.
4. Kwon RS and Banks PA. Chapter 4: How should acute pancreatitis be diagnosed in clinical practice? In *Clinical Pancreatology*. Dominguez Munoz JE, Editor. Blackwell Publishing, UK 2005: 34-39.
5. Banks PA. Is computerized tomographic fine needle aspiration (CT-FNA) helpful in the management of infected pancreatic necrosis? *Am J Gastroenterol* 2005; in press.

Richard Blumberg, MD

1. Arita M, Yoshida M, Hong S, Tjonahen E, Glickman JN, Petasis NA, Blumberg RS[§], Serhan CN. Resolvin E1, a novel endogenous lipid mediator derived from omega-3 eicosapentaenoic acid, protects against TNBS-induced colitis. *Proc Natl Acad Sci* 2005;102:7671-6. ([§]Co-senior author).
2. Zhu X, Peng J, Chen D, Liu X, Ye L, Iijima H, Kadaval K, Lencer WI, Blumberg RS. Calnexin and ERp57 facilitate the assembly of the neonatal Fc receptor for IgG with β 2-microglobulin in the endoplasmic reticulum. *J Immunol* 2005;175:967-76.
3. Dougan SK, Salas A, Rava P, Agyemang A, Kaser A, Morrison J, Khurana A, Kronenberg M, Johnson C, Exley M, Hussain MM, Blumberg RS. Microsomal triglyceride transfer protein lipidation and control of CD1d on antigen presenting cells. *J Exp Med* 2005;202:529-39.

Robert Burakoff, MD

1. F. Makrauer, R. Burakoff, . *Biologic and Novel Therapy of The Inflammatory Bowel Diseases*. *Curr. Med. Chem. – Anti-Inflammatory & Anti-Allergy Agents*, 2005, 4, 000-000, In Press. 2005.
2. R. Burakoff, WG Richards, *Adult Chest Surgery: Concepts and Procedures, Overview of Esophageal Motility Disorders*. DJ Sugarbaker, editor and The McGraw-Hill Companies, New York, Publisher. In Press. 2005.
3. Hande S, Burakoff R, *Critical Review of the Role of Metabolites of Immunomodulatory Drugs in the Treatment of IBD*. In Preparation. 2005.
4. Perencevich M, Hande S, Burakoff R, *The Role of Antibiotics in the Treatment of Inflammatory Bowel Disease: A Critical Review of the Literature*. In Preparation. 2005.
5. Burakoff, R.... *Textbook. "Is it always therapeutically important to distinguish between CD and UC?"*. Editors. C. Fiorcchi, J. Katz and C. Prantera. In Preparation. 2005.

Grant

1. Chondrogene- serum gene array markers for dysplasia and colon cancer in IBD.

BWH Gastroenterology 2005 Publications and Grants

Martin Carey, MD

1) Original Articles

1. Kauffman, JM, Pellicciari R, Carey MC. Interfacial properties of most monofluorinated bile acids deviate markedly from the natural congeners: Studies with the Langmuir-Pockels surface balance. *J Lipid Res* 2005;46:571-81.
2. Maurer KJ, Ihrig MM, Rogers AB, Ng V, Bouchard G, Leonard MR, Carey MC, Fox JG. Identification of cholelithogenic enterohepatic *Helicobacter* species and their role in murine cholesterol gallstone formation. *Gastroenterology* 2005;128:1023-1033.
3. Lyons MA, Korstanje R, Li R, Shelhan SM, Walsh KA, Rollins JA, Carey MC, Paigen B, Churchill GA. Single and interacting QTLs for cholesterol gallstones revealed in an intercross between mouse strains NZB and SM. *Mamm Genome* 2005;16:152-163.
4. Wittenburg H, Lyons MA, Li R, Kurtz U, Mössner J, Churchill GA, Carey MC, Paigen B. Association of a lithogenic *Abcg5/Abcg8* allele on chromosome 17(*Lith9*) with cholesterol gallstone formation in PERA/EiJ mice. *Mamm Genome* 2005;16:495-504.
5. Maurer KJ, Rogers AB, Ge Z, Wiese AJ, Carey MC, Fox JG. *Helicobacter pylori* and cholesterol gallstone formation in C57L/J mice: a negative prospective study. *Amer J. Physiol* (<http://ajpcon.physiology.org>) (in press 2005).

1A) Patents

1. Kopin AS, Wang DQH, Carey MC. Methods of altering absorption of hydrophobic compounds (Application filed February 8th, 2005), US Serial #11/053,553.
2. Bach FH, Carey MC. Heme oxygenase-1 and products of heme degradation for therapeutic applications (Application filed September 2nd, 2005).

2) Reviews/Chapters

1. Lyons MA, Carey MC. Cholecystolithiasis, in *Encyclopedic Reference of Molecular Mechanisms of Disease*, F. Lang (ed), Heidelberg, Springer-Verlag, 2005 (in press).
2. Freudenberg F, Carey MC. Hepatobiliary manifestations in inflammatory bowel disease. In RS Blumberg, A Gangl, MP Manns, H Tilg, M Zeitz, eds. *Kluwer*, Dordrecht, 2005 (Chapter 17, pp. 165-176).
3. Carey MC, Wang DQ-H. Slow transit through the large intestine, deoxycholic acid and cholesterol gallstones (eLetter) *Gut*, 2005 (<http://www.gutjnl.com/cgi/letters>).

3) Grant (new)

1 R01 DK073687-01 (PI: CAREY) NIH/NIDDK: Began 09/01/05

Molecular Pathogenesis of Cystic Fibrosis Liver Disease. By utilizing $\Delta F508$ and G551D murine models of cystic fibrosis (CF) and their wild type counterparts, the major experimental objectives of this proposal are to understand the molecular basis of chronic cholestatic liver disease in CF. With this knowledge, novel modalities to prevent and treat chronic liver disease in CF will be focused on reversing the biliary, ileal, and colonic abnormalities employing oral norUDCA, conventional gut alkalinizing agents, and anion binding polymers.

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David Carr-Locke, MD

1. Lee L, Carr-Locke DL, Ookubo R, Saltzman J Randomized trial of a video headset vs a conventional video monitor during colonoscopy *GI Endoscopy* 2005; Vol 61, No 2, 301-306.
2. Barro J, Soetikno R and Carr-Locke, DL Early endoscopic sphincterotomy in acute pancreatitis: is it indicated, advisable, not indicated, or contraindicated? A proposal for clinical practice. *Clinical Pancreatolgy for Practicing Gastroenterologists and Surgeons*; 2005, 113-125.
3. DL Carr-Locke Metal stents for distal biliary malignancy: have we got you covered? *GI Endoscopy* 2005, Vol 61, No 4, 534-536.
4. Saltzman JR, Carr-Locke DL, Fink SA. Clinical Cases From the David Carr-Locke Endoscopy Clinic: Lipoma Case Report. *Medscape General Medicine* 7 (1), 2005. Accessed online at: <http://www.medscape.com/viewarticle/491760>.
5. Khan AH, Thompson CC, Carr-Locke DL. Clinical Cases From the David Carr-Locke Endoscopy Clinic: Chronic Diarrhea Due to Metastatic Breast Cancer. *Medscape General Medicine*. 2005; 7(1). Accessed online at: <http://www.medscape.com/viewarticle/503589>.
6. Chen YK, Raijman I, Ben-Menachem T, Starpoli A, Liu J, Pazwash H, Weiland S, Shahrier M, Fortajada E, Saltzman JR, Carr-Locke DL Long-term outcomes of endoluminal gastroplication: a U.S. multicenter trial. *GI Endoscopy* 2005, Vol 61, No 6, 659-667.
7. Saltzman JR, Strate LL, DiSena V, Huang C, Merrifield B, Ookubo R, Carr-Locke DL Prospective Trial of Endoscopic Clips versus Combination Therapy in Upper GI Bleeding (PROTECCT – UGI BLEEDING) *American Journal of Gastroenterology* 2005, Vol 100, No 7, 1503 – 1508.
8. Telford J, Carr-Locke DL. Infections of the Biliary Tract *Clinical GI Endoscopy* 2005 (With Video Clip), Ch 48, 709-732 Elsevier Saunders.

David Cohen, MD

1. Dubrac S, Lear SR, Ananthanarayanan M, Balasubramaniyan N, Bollineni J, Shefer S, Hyogo H, Cohen DE, Blanche PJ, Krauss RM, Batta AK, Salen G, Suchy FJ, Maeda N, Erickson SK. Role of CYP27A in cholesterol and bile acid metabolism. *J Lipid Res* 2005;46:76-85.
2. Wu MK, Hyogo H, Yadav S, Novikoff PM, Cohen DE. Impaired response of biliary lipid secretion to a lithogenic diet in phosphatidylcholine transfer protein-deficient mice. *J Lipid Res* 2005;46:422-31.
3. Roy S, Hyogo H, Yadav S, Wu, MK, Jelicks L, Locker JD, Frank PG, Lisanti MP, Silver DL, Cohen DE. A biphasic response of hepatobiliary cholesterol metabolism to dietary fat at the onset of obesity in the mouse. *Hepatology* 2005;41:887-895.
4. Baez JM, Tabas I, Cohen DE. Decreased lipid efflux and increased susceptibility to cholesterol-induced apoptosis in macrophages lacking phosphatidylcholine transfer protein. *Biochem J* 2005;388:57-63.
5. Wu MK, Cohen DE. Altered hepatic cholesterol metabolism compensates for disruption of phosphatidylcholine transfer protein in mice. *Am J Physiol* 2005;289: G456–G461.
6. Wu MK, Cohen DE. Phosphatidylcholine transfer protein regulates size and hepatic uptake of high density lipoproteins. *Am J Physiol* 2005; in press.
7. Henkel, A, Wei Z, Cohen DE, Green RM. Mice over-expressing hepatic Abcb11 rapidly develop cholesterol gallstones. *Mamm Genome* 2005; in press.

BWH Gastroenterology 2005 Publications and Grants

Sonia Friedman, MD

1. Reddy S, Friedman S, Telford J., Banks P. Are patients with inflammatory bowel disease receiving optimal care? *American Journal of Gastroenterology* 2005; 100(6):1357-6.
2. Sparrow MP, Hande SA, Friedman S, Lim WC, Reddy SI, Cao D, Hanauer SB. Allopurinol safely and effectively optimizes tiogaunine metabolites in inflammatory bowel disease patients not responding to azathioprine and mercaptopurine. *Aliment Pharmacol ther* 2005; 22(5):441-6.

Raj Goyal, MD

1. Mashimo H, Wagh MS, Goyal RK. Surveillance and screening for Barrett esophagus and adenocarcinoma. *J Clin Gastroenterol.* 2005; 89(2):S33-S41. [review paper].
2. Masood A Shammam, Hemanta Koley, Ramesh B Batchu, Robert C Bertheau, Alexei Protopopov, Nikhil C Munshi and Raj K Goyal Telomerase inhibition by siRNA causes senescence and apoptosis in Barrett's adenocarcinoma cells: mechanism and therapeutic potential *Molecular Cancer* 2005 July 15;4:24.
3. Huang Q, Yu C, Klein M, Fang JM, Goyal RK. DNA index determination with Automated Cellular Imaging System (ACIS) in Barrett's esophagus: Comparison with CAS 200. *BMC Clin Pathol.* 2005 Aug 12;5(1):7
4. Goyal RK, Dysphagia. Chapter 33. In: Kasper DL, Braunwald E, Fauci AS, Hauser SL, Longo DL, Jameson JL, eds. *Harrison's Principles of Internal Medicine*, 16th Edition. New York: McGraw Hill, 2005, pp 217-218. [chapter]
5. Goyal RK. Diseases of the Esophagus. Chapter 273 In: Kasper DL, Braunwald E, Fauci AS, Hauser SL, Longo DL, Jameson JL, eds. *Harrison's Principles of Internal Medicine*, 16th Edition. New York: McGraw Hill, 2005, pp 1739-1745. [chapter]

Grants

1. Pathogenesis of Gastroparesis: Role of inhibitory nerves.
2. Nitroergic neuro-smooth muscle transmission in the gut.

Norton Greenberger, MD

1. Greenberger, N J: Celiac Sprue and other malabsorptive disorders, Wolfe et al, *Therapy of Digestive Disorders*, Elsevier, 2005; (In press).
2. Greenberger, N.J: History Taking and Physical Examination for the Patient with Liver Disease, Schiff et al, WoltersKluwer Publishing, 2005; (In press).

Linda Lee, MD

1. Lee LS, Saltzman JR, Carr-Locke DL. Randomized trial of a video headset versus traditional video monitor during colonoscopy. *Gastrointestinal Endoscopy* 2005; 61(2): 301-306.
2. Lee LS, Saltzman JR, Bounds BC, Poneris JM, Brugge WR, Thompson CC. EUS-Guided Fine Needle Aspiration of Pancreatic Cysts: A Retrospective Analysis of Complications and Their Predictors. *Clinical Gastroenterology and Hepatology* 2005; 3: 231-236.

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Julia Liu, MD

1. Chen YK, Rajjman I, Ben-Menachem T, Starpoli AA, Liu J, Pazwash H, Weiland S, Shahrier M, Fortajada E, Saltzman JR, Carr-Locke DL. Long-term outcomes of endoluminal gastroplication: A U.S. multicenter trial. *Gastrointest Endosc* 2005;61:659-67.
2. Liu JJ. Gender differences in gastroenterology. (editorial) *American Journal of Gastroenterology* 2005;100(2):257-258.

Frederick Makrauer, MD

1. Makrauer FL, Burakoff R. Biologic and novel therapy of the inflammatory bowel diseases. *Curr Med Chem* 2005 In press.

Grant

1. Makrauer FL, Johannes RS. Where is the Continuity in Continuity Clinic? - Establishing a Metric to Strengthen Longitudinal Experience in GI Fellowship Training.

John Poneros, MD

1. Lee LS, Saltzman JR, Bounds BC, Poneros JM, Brugge WR, Thompson CC. EUS-guided fine needle aspiration of pancreatic cysts: A retrospective analysis of complications and their predictors. *Clinical Gastro and Hepatol* 2005;(3)231-6.
2. Evans JA, Poneros JM, Bouma BE, Bressner J, Halpern EF, Shishkov M, Lauwers GY, Mino-Kenudson M, Nishioka NS, Tearney GJ. Using optical coherence Tomography to identify intramucosal carcinoma and high grade dysplasia in Barrett's esophagus. *Clinical Gastro and Hepatol* 2005; in press.
3. Chak A, Wallace MB, Poneros JM. Optical Coherence Tomography of Barrett's esophagus. *Endoscopy* 2005;37 (6):587-90.
4. Lee LS, Poneros JM. New Technologies for the Detection of Gastrointestinal Neoplasia. In *The Clinician's Guide to Gastrointestinal Oncology*. Editor Michael Kochman MD 2005 Slack Incorporated Thorofare, NJ.
5. Lee LS, Poneros JM. New Frontiers in Endoscopic Imaging. *Gastrointestinal Endoscopy Clinics of North America* 2005; in press.
6. Poneros JM. Optical coherence Tomography and the detection of dysplasia in Barrett's esophagus. (editorial) *Gastrointest Endosc* 2005;in press.

John Saltzman, MD

1. Lee LS, Carr-Locke DL, Ookubo R, Saltzman JR. Randomized Trial of a Video Headset versus Conventional Video Monitor During Colonoscopy. *Gastrointestinal Endoscopy* 2005;61(2);301-306.
2. Lee LS, Saltzman JR, Bounds BC, Poneros JM, Brugge WR, Thompson CC. EUS-Guided Fine Needle Aspiration of Pancreatic Cysts: A Retrospective Analysis of Complications and Their Predictors. *Clinical Gastroenterology and Hepatology* 2005; 3(3):231-236.
3. Aaronson MJ, Saltzman JR, Nygaard I. Abdominal Pain, Bloating and Urgency. *Obstetrics and Gynecology*. 2005;105(4): 889-892.
4. Solomon SD, McMurray JVJ, Pfeffer MA, Wittes J, Fowler R, Finn P, Anderson WF, Zauber A, Hawk E, Bertagnolli M, for the Adenoma Prevention with Celecoxib (APC) Study Investigators. Cardiovascular Risk Associated with Celecoxib in a Clinical Trial for Colorectal Adenoma Prevention. *The New England Journal of Medicine* 2005;352(11): 1071-1020.
5. Chen YK, Rajjman I, Ben-Menachem T, Starpoli AA, Liu J, Pazwash H, Weiland S, Shahrier M, Fortajada E, Saltzman JR, Carr-Locke DL. Long Term Outcomes of Endoluminal Gastroplication: A U.S. Multicenter Trial. *Gastrointestinal Endoscopy* 2005; 61 (6):659-67.
6. Saltzman JR, Strate LL, Di Sena V, Huang C, Merrifield B, Ookubo R, Carr-Locke DL. Prospective Trial of Endoscopic Clips versus Combination Therapy in Upper GI Bleeding (PROTECCT - UGI Bleeding). *American Journal of Gastroenterology* 2005; 100:1503-1508.

BWH Gastroenterology 2005 Publications and Grants

Elena Martinez Stoffel, MD

1. Syngal S, Stoffel E, Chung D, Willett C, Schoetz D, Schroy P, Jagadeesh D, Morel K, Ross M. Detection of stool DNA mutations before and after treatment of colorectal neoplasia. (*in press*, Cancer).
2. Stoffel EM, Syngal S. Adenomas in young patients: What is the optimal evaluation? *Am J Gastroenterol* 2005; 100: 1150-3.

Lisa Strate, MD

1. Strate LL, Saltzman JR, Ookubo R, Mutinga ML, Syngal S. Validation of a clinical prediction rule for severe acute lower intestinal bleeding. *Am J Gastroenterology* 2005; 100:1821-7.
2. Strate, LL. Lower GI bleeding - epidemiology and diagnosis. *Gastroenterology Clinics of North America* (*in press*).
3. Saltzman JR, Strate LL, Di Sena V, Huang C, Merrifield B, Ookubo R. Prospective trial of endoscopic clips versus combination therapy in upper GI bleeding (PROTECCT - UGI Bleeding) *Am J Gastroenterology* 2005; 100(7):1503-8.
4. Reddy S, Friedman S, Telford J, Strate LL, Ookubo R, Banks P. Are Patients with Inflammatory Bowel Disease Receiving Optimal Care? *Am J Gastroenterology* 2005;100(6):1357-61.

Sapna Syngal, MD

1. Strate LL, Syngal S. Predictors of utilization of early colonoscopy vs. radiography for severe lower intestinal bleeding. *Gastrointest Endosc.* 2005; 61(1): 46-52.
2. Lu KH, Dinh M, Kohlmann W, Watson P, Green J, Syngal S, Bandipalliam P, Chen LM, Allen B, Conrad P, Terdiman J, Sun C, Daniels M, Burke T, Gershenson DM, Lynch H, Lynch P, Broaddus RR. Gynecologic cancer as a “sentinel cancer” for women with hereditary nonpolyposis colorectal cancer syndrome. *Obstet Gynecol.* 2005; 105(3): 569-74.
3. Strate LL, Saltzman JR, Ookubo R, Mutinga ML, Syngal S. Validation of a clinical prediction rule for severe acute lower intestinal bleeding. *AM J Gastroenterol.* 2005; 100(8): 1821-7.
4. Syngal S, Bandipalliam P, Boland CR. Surveillance of patients at high risk for colorectal cancer. *Med Clin North Am.* 2005; 89(1): 61-84.
5. Agrawal J, Syngal S. Colon cancer screening strategies. *Curr Opin Gastroenterol.* 2005; 21 (1): 59-63.
6. Stoffel E, Syngal S. Adenomas in young patients: what is the optimal evaluation? *Am J Gastroenterol.* 2005 100(5): 1150-3.
7. Strate L, Syngal S. Hereditary colorectal cancer syndromes. *Cancer Causes and Control.* 2005; 16 (3): 201-13.

Grants

1. 5 U01 CA86400-06 (Brenner) 5/15/05-2/28/10
NIH/NCI

Great Lakes-New England Clinical Epidemiology Center

The purpose of this multi-center grant is the creation of a national Network to discover and coordinate the evaluation of biomarkers/reagents for the earlier detection of cancer and for the assessment of risk. Dr. Syngal’s role on this project is to enroll patients with colorectal cancer and adenomas to obtain clinical history and specimen collection to study genetic markers of risk for colorectal neoplasia.

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Sapna Syngal, MD (Cont.)

2. 1 K24 CA113433-01 (Syngal)

8/1/05-7/31/10

NIH/NCI

Midcareer Investigator Patient-Oriented Research Award. The Genetics and Prevention of Gastrointestinal Cancers.

The two main goals of this award are (1) to provide protected time for Dr. Syngal to mentor junior investigators in patient oriented research and (2) to continue to expand a translational clinical research program in the genetics and prevention of gastrointestinal cancers.

Christopher Thompson, MD

1. Lee L, Saltzman J, Bounds B, Poneris J, Brugge W, Thompson C. EUS-Guided Fine Needle Aspiration of Pancreatic Cysts: A Retrospective Analysis of Complications and Their Predictors. *Clinical Gastroenterology and Hepatology* 2005;Mar;3(3):231-6.
2. Gan I, Thompson C, Lauwers G, Brenna B, Brugge W. Ethanol Lavage of Pancreatic Cystic Lesions: Initial Pilot Study. *Gastrointestinal Endoscopy*. 2005;May;61(6):746-52.
3. Raju GS, Thompson C, Zwischenberger J. Emerging Endoscopic Options in the Management of Esophageal Leaks. Invited Review, *Gastrointestinal Endoscopy* 2005;Aug;62(2):278-286.
4. Wagh M, Merrifield B, Thompson C. Endoscopic Transgastric Abdominal Exploration and Organ Resection: Initial Experience in a Porcine Model. *Clinical Gastroenterology and Hepatology* 2005;Sept;3(9):892-6.

Grants

1. Goldberg Junior Faculty Award, BWH
2. CIMIT / Department of Defense - New Concept Award Endoscopic Surgery Working Group
3. NIH Clinical Research Loan Repayment Program Natural Orifice Transluminal Surgery
4. Brigham and Women's Hospital, Department of Medicine Innovation and Program Development of Clinical Services Initiative Bariatric Endoscopy Program