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Assistant Professor of Medicine
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Research Projects

Active projects

- Impact of HIV on mucosal turnover and inflammation and consequences to systemic inflammation and colorectal cancer
- Mesalamine to reduce T cell activation in HIV infected individuals
- Characterizing the microbiome in various GI diseases
- CT radiation exposure and the risk of cancer
- Colorectal cancer screening: effectiveness of colonoscopy, utilization of services, stage at presentation and outcomes, and complications

Techniques Used

- Clinic-based translational research methods
- Epidemiological studies using large databases – SEER, Medicare, VA, etc.
- Interventional clinical trials
- Decision analytic modeling and cost-effectiveness analysis

Education

- 1993 – 1997 Pomona College, B.A. *Magna Cum Laude*, Chemistry
- 1997 – 2002 Harvard Medical School, M.D.
- 2006 – 2008 University of California, San Francisco, M.A.S., Epidemiology & Biostatistics

Training

- 2000 – 2001 Beijing Medical University, Research Scholar
- 2002 National Taiwan University, Visiting Scholar
- 2002 – 2005 Harbor-UCLA Medical Center, Residency, Medicine
- 2005 – 2008 University of California, San Francisco, Fellowship, Gastroenterology

Certification

- 2003, Medical licensure, California, A84310
- 2005, Board Certification, Internal Medicine
- 2008, Board Certification, Gastroenterology and Hepatology

Memberships and Affiliations

- American Association for the Study of Liver Diseases
- American Society of Gastrointestinal Endoscopy
- American Gastroenterological Association
- American College of Gastroenterology

Selected Publications

- **Somsouk M**, Lauer GM, Casson D, Terella A, Day CL, Walker BD, Chung RT. Spontaneous resolution of chronic HCV disease following withdrawal of immunosuppression. *Gastroenterology* 124:7, 1946-1949, 2003.
- Delgado-Borrego A, Casson D, Schoenfeld D, **Somsouk M**, Terella A, Jordan SH, Bhan A, Baid S, Cosimi AB, Pascual M, Chung RT. HCV is independently associated with increased insulin resistance following liver transplantation. *Transplantation* 77:703-10, 2004.
- Ma XT, Wang S, Ye YJ, Du RY, Cui ZR, **Somsouk M**. Constitutive activation of Stat3 signaling pathway in human colorectal carcinoma. *World J Gastroenterology* 10:1569-73, 2004.
- Steinmetz WE, Sparrow A, **Somsouk M**. Determination of the three-dimensional, solution-phase structure of the macrolide antibiotic oxolide in CD₂Cl₂ and D₂O from NMR constraints. *Magn Reson Chem.* 43:16-20, 2005.
- **Somsouk M**, Inadomi JM, Yee HF. A Cost-Identification Analysis of Screening and Surveillance of Hepatitis C Infection in a Prospective Cohort of Dialysis Patients. *Digestive Diseases & Sciences*, 53(4):1093-9, 2008.
- **Somsouk M**, Gralnek IM, Inadomi JM. Obscure Gastrointestinal Bleeding: A Cost-Minimization Analysis of Alternative Strategies. *Clinical Gastroenterology and Hepatology*, 6(6):661-70, 2008.
- Inadomi JM, **Somsouk M**, Madanick RD, Shaheen NJ. Radiofrequency ablation is more cost-effective than endoscopic surveillance, photodynamic therapy or esophagectomy among patients with Barrett's esophagus and high-grade dysplasia. *Gastroenterology* 136(7):2101-14, 2009.
- Guy J, **Somsouk M**, Shiboski S, Kerlan R, Inadomi JM, Biggins SW. New Model for End Stage Liver Disease Improves Prognostic Capability After Transjugular Intrahepatic Portosystemic Shunt. *Clinical Gastroenterology and Hepatology*, June 26, 2009.
- **Somsouk M**, Yee HF, Biggins SW. Understanding Liver Health Using the National Center for Health Statistics. *Digestive Diseases and Sciences*, May 8, 2009.
- **Somsouk M**, Guy J, Biggins SW, Kohn MA, Vittinghoff E, Inadomi JM. Ascites Improves upon Serum Sodium and MELD for Predicting Mortality in Patients with Advanced Liver Disease. *Alimentary Pharmacology and Therapeutics* 30(7):741-8, 2009
- Inadomi JM, **Somsouk M**, Madanick RD, Shaheen NJ. Radiofrequency ablation is more cost-effective than endoscopic surveillance, photodynamic therapy or esophagectomy among patients with Barrett's esophagus and high-grade dysplasia. *Gastroenterology*, 136(7):2101-14, 2009.
- Day L, Cello JP, **Somsouk M**, Inadomi JM. Prevalence of Gastric Cancer versus Colorectal Cancer in Asians with a Positive Fecal Occult Blood Test. *Indian Journal of Gastroenterology*, Accepted for Publication, 2011.
- **Somsouk M**, Kornfield R, Vittinghoff E, Inadomi JM, Biggins SW. Moderate Ascites Identifies Patients with Low MELD Awaiting Liver Transplantation with High Mortality Risk. *Liver Transplantation*, 17:129-136, 2011.
- Day L, Inadomi JM, **Somsouk M**. Adverse Events in Elderly Patients Undergoing Colonoscopy: A Systematic Review and Meta-Analysis. *Gastrointestinal Endoscopy*, 2011.
- Shaw JM, Hunt PW, Critchfield JW, McConnell DH, Garcia JC, Pollard RB, **Somsouk M**, Deeks SG, Shacklett BL. Increased Frequency of Regulatory T-Cells Accompanies Increased T-Cell Immune Activation in Rectal Mucosa of HIV+ Non-Controllers. *Journal of Virology*, 2011 Aug 31.