


Stanford




Shai Friedland

Professor of Medicine (Gastroenterology and Hepatology)

Medicine - Gastroenterology & Hepatology

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- VA Palo Alto Health Care System Dept of Gastroenterology

3801 Miranda Ave

Palo Alto, CA 94304

Tel (650) 617-2732

Fax (650) 614-8473

Bio

CLINICAL FOCUS

- Endoscopy
- Gastroenterology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Gastroenterology & Hepatology
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Division of Gastroenterology and Hepatology (2002) CA
- Medical Education: University of California San Diego School of Medicine (1996) CA
- Residency: Stanford University Internal Medicine Residency (1999) CA
- Internship: Stanford University Internal Medicine Residency (1997) CA
- Board Certification: Gastroenterology, American Board of Internal Medicine (2002)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

1. Gastrointestinal Endoscopy- Techniques and Outcomes
2. Noninvasive colorectal cancer screening
3. Medical device development in gastroenterology

CLINICAL TRIALS

- Advanced Gastrointestinal Endoscopic Imaging, Not Recruiting

Publications

PUBLICATIONS

- **Use of anchor pronged clips to close complex polyp resection defects.** *VideoGIE : an official video journal of the American Society for Gastrointestinal Endoscopy*
Wei, M. T., Friedland, S.
2023; 8 (6): 245-246
- **Evaluation of computer aided detection during colonoscopy in the community (AI-SEE): a multicenter randomized clinical trial.** *The American journal of gastroenterology*
Wei, M. T., Shankar, U., Parvin, R., Hasan Abbas, S., Chaudhary, S., Friedlander, Y., Friedland, S.
2023
- **A NOVEL THROUGH-THE-SCOPE HELIX TACK AND SUTURE DEVICE FOR MUCOSAL DEFECT CLOSURE FOLLOWING COLORECTAL ENDOSCOPIC SUBMUCOSAL DISSECTION (ESD): A MULTICENTER STUDY.** *Endoscopy*
Farha, J., Ramberan, H., Aihara, H., Zhang, L. Y., Mehta, A., Hage, C., Schlachterman, A., Kumar, A., Shinn, B., Canakis, A., Kim, R. E., D'Souza, L. S., Buscaglia, et al
2022
- **Use of a novel dual-action clip for closure of complex endoscopic resection defects.** *VideoGIE : an official video journal of the American Society for Gastrointestinal Endoscopy*
Wei, M. T., Friedland, S.
2022; 7 (11): 389-391
- **De Novo Diagnosis of Lymphocytic Colitis After SARS-CoV-2 Vaccination** *ACG CASE REPORTS JOURNAL*
Lee, P., Wei, M. T., Gubatan, J., Forgo, E., Berry, G. J., Verma, R., Friedland, S.
2022; 9 (9)
- **De Novo Diagnosis of Lymphocytic Colitis After SARS-CoV-2 Vaccination.** *ACG case reports journal*
Lee, P., Wei, M. T., Gubatan, J., Forgo, E., Berry, G. J., Verma, R., Friedland, S.
2022; 9 (9): e00849
- **Evaluation of differential contribution of a circulating epithelial cell signal component in a multimodal colorectal neoplasia assay.**
Friedland, S., Watson, D., Zhang, Z., Pan, J. Y., Chen, Y., Nimgaonkar, A., Gulzar, Z., Atkins, A., Taussing, D., Hsieh, B., Lai, J., Su, S., Wu, et al
LIPPINCOTT WILLIAMS & WILKINS.2022: E15527
- **Randomized controlled trial investigating use of submucosal injection of EverLift in rates of complete resection of non-pedunculated 4-9mm polyps.** *International journal of colorectal disease*
Wei, M. T., Louie, C. Y., Chen, Y., Pan, J. Y., Quan, S. Y., Wong, R., Brown, R., Clark, M., Jensen, K., Lau, H., Friedland, S.
2022
- **RANDOMIZED CONTROLLED TRIAL INVESTIGATING COLD SNARE AND FORCEPS POLYPECTOMY AMONG SMALL POLYPS IN RATES OF COMPLETE RESECTION: THE TINYPOLYP TRIAL**
Wei, M., Louie, C., Chen, Y., Pan, J. Y., Quan, S., Wong, R., Brown, R., Clark, M., Jensen, K. C., Lau, H. D., Friedland, S.
W B SAUNDERS CO-ELSEVIER INC.2022: S142-S143
- **Randomized controlled Trial Investigating cold snare and forceps polypectomy among small POLYPS in rates of complete resection: the TINYPOLYP Trial.** *The American journal of gastroenterology*
Wei, M. T., Louie, C. Y., Chen, Y., Pan, J. Y., Quan, S. Y., Wong, R., Brown, R., Clark, M., Jensen, K., Lau, H., Friedland, S.
2022
- **Clinical evaluation of a real-time artificial intelligence-based polyp detection system: a US multi-center pilot study.** *Scientific reports*
Quan, S. Y., Wei, M. T., Lee, J., Mohi-Ud-Din, R., Mostaghim, R., Sachdev, R., Siegel, D., Friedlander, Y., Friedland, S.
2022; 12 (1): 6598
- **Endoscopic submucosal dissection for colorectal dysplasia in inflammatory bowel disease: a US multicenter study.** *Endoscopy international open*
Ngamruengphong, S., Aihara, H., Friedland, S., Nishimura, M., Faleck, D., Benias, P., Yang, D., Draganov, P. V., Kumta, N. A., Borman, Z. A., Dixon, R. E., Marion, J. F., D'Souza, et al
2022; 10 (4): E354-E360

- **Cold Snare Resection of Small Colorectal Adenomas: The Second Time's a Charm.** *Digestive diseases and sciences*
Wei, M. T., Friedland, S.
2021
- **Over-the-Scope Clip in the Treatment of Gastrointestinal Leaks and Perforations.** *Clinical endoscopy*
Wei, M. T., Ahn, J. Y., Friedland, S.
2021; 54 (6): 798-804
- **Predicting Histological Diagnosis After Endoscopic Submucosal Dissection With Demographic Characteristics and Endoscopic Lesion Characteristics: An Analysis of a Large Cohort in North America**
Gudenkauf, F., Ferri, L., Aihara, H., Draganov, P., Yang, D., Jue, T., Munroe, C., Bhatt, A., Kumta, N. A., Othman, M., Aadam, A., Siegel, A., Grimm, et al
LIPPINCOTT WILLIAMS & WILKINS.2021: S496
- **Evaluation of EverLift in the Performance of Cold Snare Polypectomy (CSP) for 4-9mm Polyps**
Wei, M. T., Louie, C., Chen, Y., Pan, J. Y., Quan, S. Y., Wong, R., Brown, R., Clark, M., Jensen, K., Lau, H., Friedland, S.
LIPPINCOTT WILLIAMS & WILKINS.2021: S130-S131
- **Use of the Rigidizing Overtube in Assisting Endoscopic Submucosal Dissection Among Patients With Ulcerative Colitis**
Wei, M. T., Hwang, J., Friedland, S.
LIPPINCOTT WILLIAMS & WILKINS.2021: S880
- **Is Submucosal Injection Helpful in Cold Snare Polypectomy for Small Colorectal Polyps?** *Clinical endoscopy*
Song, J. H., Friedland, S.
2021
- **Development and clinical validation of a blood test for early detection of colorectal adenomas and cancer.**
Friedland, S., Pan, J. Y., Watson, D., Chen Yu, Nimgaonkar, A., Gulzar, Z., Gupta, P., Atkins, A., Lai Jr-Ming, Hsieh Ben, Su, S., Ciu, I., Setthasap, P., Sninsky, J., et al
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Endoscopic Full-Thickness Resection of Polyps Involving the Appendiceal Orifice: A Multicenter International Experience.** *Endoscopy*
Ichkhanian, Y. n., Barawi, M. n., Thakkar, S. J., Seoud, T. n., Kothari, T. H., Halabi, M. E., Ullah, A. n., Edris, W. n., Aepli, P. n., Kowalski, T. E., Shinn, B. n., Sharaiha, R. Z., Mahadev, et al
2021
- **Early Esophageal Cancer: What the Gastroenterologist Needs to Know.** *Gastroenterology clinics of North America*
Wei, M. T., Friedland, S.
2021; 50 (4): 791-808
- **Predictive factors for adenoma detection rates: a video study of endoscopist practices.** *Endoscopy international open*
Yang, S. Y., Quan, S. Y., Friedland, S. n., Pan, J. Y.
2021; 9 (2): E216–E223
- **Use of a rigidizing overtube for altered-anatomy ERCP.** *VideoGIE : an official video journal of the American Society for Gastrointestinal Endoscopy*
Wei, M. T., Friedland, S., Watson, R. R., Hwang, J. H.
2020; 5 (12): 664–66
- **Ideal Method for Small Bowel Preparation before Video Capsule Endoscopy.** *Clinical endoscopy*
Lee, J., Friedland, S.
2020
- **Use of a rigidizing overtube to complete an incomplete colonoscopy.** *VideoGIE : an official video journal of the American Society for Gastrointestinal Endoscopy*
Wei, M. T., Hwang, J. H., Watson, R., Friedland, S.
2020; 5 (11): 583–85
- **Efficacy of Endoscopic Submucosal Dissection for Superficial Gastric Neoplasia in a Large Cohort in North America.** *Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association*
Ngamruengphong, S., Ferri, L., Aihara, H., Draganov, P. V., Yang, D. J., Perbtani, Y. B., Jue, T. L., Munroe, C. A., Boparai, E. S., Mehta, N. A., Bhatt, A., Kumta, N. A., Othman, et al

2020

- **NOVEL RIGIDIZING OVERTUBE FOR ENTEROSCOPE/COLONOSCOPE STABILIZATION AND LOOP PREVENTION**
Friedland, S., Watson, R. R., Hwang, J.
MOSBY-ELSEVIER.2020: AB238–AB239
- **THE RISK FACTORS OF BLEEDING IN COLD SNARE POLYPECTOMY FOR SMALL COLON POLYPS AND THE EFFECTS OF SUBMUCOSAL INJECTION**
Song, J., Friedland, S.
MOSBY-ELSEVIER.2020: AB524–AB525
- **ENDOSCOPIC FULL-THICKNESS RESECTION OF POLYPS INVOLVING THE APPENDICEAL ORIFCE: FIRST MULTICENTER INTERNATIONAL STUDY**
Ichkhanian, Y., Barawi, M., Ghandour, B., Seoud, T., Thakkar, S., Kothari, T. H., Bittner, K., Ullah, A., Kaul, V., Kothari, S., Wedi, E., Aepli, P., Kowalski, et al
MOSBY-ELSEVIER.2020: AB45–AB46
- **COLORECTAL ENDOSCOPIC SUBMUCOSAL DISSECTION FOR DYSPLASIA AND SUPERFICIAL NEOPLASMS IN INFLAMMATORY BOWEL DISEASE: A MULTICENTER STUDY FROM NORTH AMERICA**
Ngamruengphong, S., Aihara, H., Nishimura, M., Faleck, D. M., Friedland, S., Benias, P. C., Yang, D., Draganov, P. V., Kumta, N. A., Borman, Z. A., Dixon, R. E., Marion, J. F., D'Souza, et al
MOSBY-ELSEVIER.2020: AB475
- **A sensitive and quantitative multimodal blood test for the detection of colorectal adenomas and cancer: Correlation with size and number of polyps.**
Friedland, S., Pan, J. Y., Watson, D., Chen, Y., Nimgaonkar, A., Gulzar, Z., Gupta, P., Lucas, J., Atkins, A., Lai, J., Hsieh, B., Su, S., Lim, et al
AMER SOC CLINICAL ONCOLOGY.2020
- **Long-term outcomes of per-oral endoscopic myotomy compared to laparoscopic Heller myotomy for achalasia: a single-center experience.** *Surgical endoscopy*
Podboy, A. J., Hwang, J. H., Rivas, H., Azagury, D., Hawn, M., Lau, J., Kamal, A., Friedland, S., Triadafilopoulos, G., Zikos, T., Clarke, J. O.
2020
- **Endoscopic submucosal dissection (ESD) for Barrett's esophagus (BE)-related early neoplasia after standard endoscopic management is feasible and safe.** *Endoscopy international open*
Tomizawa, Y. n., Friedland, S. n., Hwang, J. H.
2020; 8 (4): E498–E505
- **Water-assisted colonoscopy: an international modified Delphi review on definitions and practice recommendations.** *Gastrointestinal endoscopy*
Cadoni, S. n., Ishaq, S. n., Hassan, C. n., Falt, P. n., Fuccio, L. n., Siau, K. n., Leung, J. W., Anderson, J. n., Binmoeller, K. F., Radaelli, F. n., Rutter, M. D., Sugimoto, S. n., Muhammad, et al
2020
- **Risk of ambulatory colonoscopy in patients with cirrhosis: a propensity-score matched cohort study.** *Endoscopy international open*
Huang, R. J., Banerjee, S. n., Friedland, S. n., Ladabaum, U. n.
2020; 8 (10): E1495–E1501
- **Full-thickness resection device (FTRD) for treatment of upper gastrointestinal tract lesions: the first international experience.** *Endoscopy international open*
Hajifathalian, K. n., Ichkhanian, Y. n., Dawod, Q. n., Meining, A. n., Schmidt, A. n., Glaser, N. n., Vosoughi, K. n., Diehl, D. L., Grimm, I. S., James, T. n., Templeton, A. W., Samarasena, J. B., Chehade, et al
2020; 8 (10): E1291–E1301
- **The Mettle to Use the Petals: Using Over-the-Scope Rings to Optimize Endoscopic Submucosal Dissection.** *Digestive diseases and sciences*
Wei, M. T., Triadafilopoulos, G. n., Friedland, S. n.
2020
- **Novel rigidizing overtube for colonoscopy stabilization and loop prevention (with video).** *Gastrointestinal endoscopy*
Wei, M. T., Hwang, J. H., Watson, R. R., Park, W. n., Friedland, S. n.
2020
- **Endoscopic Diagnosis of Nonpedunculated Dysplasia during Surveillance of Ulcerative Colitis: A Survey-Based Multinational Study.** *Gut and liver*
Yang, D., John, S., Mitsuhiro, F., Cha, J. M., Byeon, J., Kim, H. W., Kim, H. G., Friedland, S., Koh, Y. X., Yoon, J., Kwak, M., Ye, B. D., Kim, et al

2019

- **Lumen-apposing stents versus plastic stents in the management of pancreatic pseudocysts: a large, comparative, international, multicenter study (vol 51, pg 1035, 2019) ENDOSCOPY**
Yang, J., Chen, Y., Friedland, S., Holmes, I., Paiji, C., Law, R., Hosmer, A., Stevens, T., Matheus, F., Pawa, R., Mathur, N., Sejpal, D., Inamdar, et al
2019; 51 (11): C5
- **Lumen-apposing stents versus plastic stents in the management of pancreatic pseudocysts: a large, comparative, international, multicenter study ENDOSCOPY**
Yang, J., Chen, Y., Friedland, S., Holmes, I., Paiji, C., Law, R., Hosmer, A., Stevens, T., Matheus, F., Pawa, R., Mathur, N., Sejpal, D., Inamdar, et al
2019; 51 (11): 1035-+
- **Novel Circulating Tumor Cell Assay for Detection of Colorectal Adenomas and Cancer. Clinical and translational gastroenterology**
Tsai, W., You, J., Hung, H., Hsieh, P., Hsieh, B., Lenz, H., Idos, G., Friedland, S., Yi-Jiun Pan, J., Shao, H., Wu, J., Lai, J., Chang, et al
2019; 10 (10): e00088
- **Artificial Intelligence Based Computer Aided Detection System Reliably Detects Polyps Earlier Than Physicians During Colonoscopy**
Quan, S. Y., Friedland, S., Pirsivash, H., Kompella, R., Sachdev, V.
LIPPINCOTT WILLIAMS & WILKINS.2019: S159–S160
- **Radiation Training, Radiation Protection, and Fluoroscopy Utilization Practices Among US Therapeutic Endoscopists DIGESTIVE DISEASES AND SCIENCES**
Sethi, S., Barakat, M. T., Friedland, S., Banerjee, S.
2019; 64 (9): 2455–66
- **Endoscopic Submucosal Dissection is Associated with Less Pathologic Uncertainty than Endoscopic Mucosal Resection in Diagnosing and Staging Barrett's- Related Neoplasia. Digestive endoscopy : official journal of the Japan Gastroenterological Endoscopy Society**
Podboy, A., Kolahi, K. S., Friedland, S., Louie, C. Y.
2019
- **Endoscopic submucosal dissection in the West INTERNATIONAL JOURNAL OF GASTROINTESTINAL INTERVENTION**
Podboy, A., Friedland, S.
2019; 8 (3): 106–9
- **NON-EXPOSURE FULL-THICKNESS RESECTION OF COLONIC LESIONS IN THE U.S: THE FTRD EXPERIENCE**
Ichkhanian, Y., Vosoughi, K., Sharaiha, R. Z., Hajifathalian, K., Tokar, J. L., Templeton, A. W., James, T. W., Grimm, I. S., Mizrahi, M., Samarasena, J. B., Chehade, N. E., Lee, J., Chang, et al
MOSBY-ELSEVIER.2019: AB108
- **OUTCOMES OF ENDOSCOPIC SUBMUCOSAL DISSECTION VERSUS SURGERY IN EARLY GASTRIC CANCER MEETING STANDARD AND EXPANDED INDICATIONS: A MULTICENTER NORTH AMERICAN COHORT**
Kerdsirichairat, T., Wang, R., Aihara, H., Draganov, P. V., Kumta, N. A., Tomizawa, Y., Truong, C. D., Lo, S. K., Jamil, L. H., Gaddam, S., Burch, M., Dhall, D., Perbtani, et al
MOSBY-ELSEVIER.2019: AB350–AB351
- **PROPHYLACTIC ENDOSCOPIC CLOSURE DOES NOT REDUCE ADVERSE EVENTS FOLLOWING ENDOSCOPIC SUBMUCOSAL DISSECTION: A CASE-MATCHED MULTICENTER STUDY**
Mehta, A., Ngamruengphong, S., Hajifathalian, K., Shah, S. L., Dawod, E., Ferri, L. E., Aihara, H., Song, L., Hanada, Y., Kumta, N. A., Aadam, A., Siegel, A. B., James, et al
MOSBY-ELSEVIER.2019: AB97
- **ARTERIOVENOUS MALFORMATIONS RESPOND POORLY TO ARGON PLASMA COAGULATION IN PATIENTS WITH CONTINUOUS FLOW LEFT VENTRICULAR ASSIST DEVICES**
Zikos, T., Namdaran, P., Banerjee, D., Friedland, S., Pan, J. Y.
MOSBY-ELSEVIER.2019: AB563–AB564
- **ENDOSCOPIC SUBMUCOSAL DISSECTION IS ASSOCIATED WITH LESS PATHOLOGIC UNCERTAINTY THAN ENDOSCOPIC MUCOSAL RESECTION IN DIAGNOSING AND STAGING BARRETT'S RELATED NEOPLASIA**
Podboy, A. J., Louie, C., Kolahi, K., Friedland, S.
MOSBY-ELSEVIER.2019: AB469–AB470

- **ENDOSCOPIC SUBMUCOSAL DISSECTION FOR GASTRIC NEOPLASIA: A LARGE MULTICENTER STUDY FROM NORTH AMERICA**
Ngamruengphong, S., Ferri, L. E., Aihara, H., Draganov, P. V., Yang, D., Perbtani, Y. B., Hanada, Y., Song, L., Kumta, N. A., Othman, M. O., Mercado, M. O., Javaid, H., Aadam, et al
MOSBY-ELSEVIER.2019: AB102-AB103
- **A Chance to Cut Is a Chance to Cure: Endoscopic Submucosal Dissection for Early Gastric Cancer** *DIGESTIVE DISEASES AND SCIENCES*
Huang, R. J., Charville, G. W., Hwang, J., Friedland, S.
2019; 64 (5): 1129-32
- **Radiation Training, Radiation Protection, and Fluoroscopy Utilization Practices Among US Therapeutic Endoscopists.** *Digestive diseases and sciences*
Sethi, S., Barakat, M. T., Friedland, S., Banerjee, S.
2019
- **Lumen apposing metal stents are superior to plastic stents in pancreatic walled-off necrosis: a large international multicenter study.** *Endoscopy international open*
Chen, Y., Yang, J., Friedland, S., Holmes, I., Law, R., Hosmer, A., Stevens, T., Franco, M. C., Jang, S., Pawa, R., Mathur, N., Sejpal, D. V., Inamdar, et al
2019; 7 (3): E347-E354
- **Lumen apposing metal stents are superior to plastic stents in pancreatic walled-off necrosis: a large international multicenter study** *ENDOSCOPY INTERNATIONAL OPEN*
Chen, Y., Yang, J., Friedland, S., Holmes, I., Law, R., Hosmer, A., Stevens, T., Franco, M. C., Jang, S., Pawa, R., Mathur, N., Sejpal, D. V., Inamdar, et al
2019; 7 (3): E347-E354
- **Lumen-apposing stents versus plastic stents in the management of pancreatic pseudocysts: a large, comparative, international, multicenter study.** *Endoscopy*
Yang, J., Chen, Y., Friedland, S., Holmes, I., Paiji, C., Law, R., Hosmer, A., Stevens, T., Matheus, F., Pawa, R., Mathur, N., Sejpal, D., Inamdar, et al
2019
- **Arteriovenous malformations respond poorly to argon plasma coagulation in patients with continuous flow left ventricular assist devices.** *European journal of gastroenterology & hepatology*
Zikos, T. A., Namdaran, P. n., Banerjee, D. n., Friedland, S. n., Pan, J. Y.
2019; 31 (7): 792-98
- **When Experts Fail: Use of a Short Turning Radius Colonoscope Facilitates Successful Completion of Colonoscopy in Patients with Bowel Fixity.** *Digestive diseases and sciences*
Girotra, M. n., Sethi, S. n., Barakat, M. T., Huang, R. J., Friedland, S. n., Ladabaum, U. n., Banerjee, S. n.
2019
- **Lumen-apposing stents versus plastic stents in the management of pancreatic pseudocysts: a large, comparative, international, multicenter study.** *Endoscopy*
Yang, J., Chen, Y., Friedland, S., Holmes, I., Paiji, C., Law, R., Hosmer, A., Stevens, T., Matheus, F., Pawa, R., Mathur, N., Sejpal, D., Inamdar, et al
2018
- **Can endoscopic resection for Barrett's dysplasia and early cancer be curative?** *ANNALS OF THE NEW YORK ACADEMY OF SCIENCES*
Friedland, S., Triadafilopoulos, G.
2018; 1434 (1): 54-58
- **Isolated pancreatic tail remnants after transgastric necrosectomy can be observed.** *The Journal of surgical research*
Dua, M. M., Jensen, C. W., Friedland, S., Worth, P. J., Poultides, G. A., Norton, J. A., Park, W. G., Visser, B. C.
2018; 231: 109-15
- **Isolated pancreatic tail remnants after transgastric necrosectomy can be observed** *JOURNAL OF SURGICAL RESEARCH*
Dua, M. M., Jensen, C. W., Friedland, S., Worth, P. J., Poultides, G. A., Norton, J. A., Park, W. G., Visser, B. C.
2018; 231: 109-15
- **Endoscopic diagnosis of non-pedunculated dysplasia during surveillance in the ulcerative colitis: A survey-based, multinational studies**
Yang, D., John, S., Mitsuhiro, F., Cha, J., Byeon, J., Kim, H., Kim, H., Friedland, S., Koh, Y., Yoon, J., Kwak, M., Ye, B., Yang, et al
WILEY.2018: 64
- **Precision care for Barrett's esophagus.** *Translational gastroenterology and hepatology*
Triadafilopoulos, G., Friedland, S.

2018; 3: 67

- **Precision care for Barrett's esophagus** *TRANSLATIONAL GASTROENTEROLOGY AND HEPATOLOGY*
Triadafilopoulos, G., Friedland, S.
2018; 3
- **Utility and performance characteristics of a novel submucosal injection agent (Eleview™) for endoscopic mucosal resection and endoscopic submucosal dissection.** *Translational gastroenterology and hepatology*
Girotra, M., Triadafilopoulos, G., Friedland, S.
2018; 3: 32
- **Utility and performance characteristics of a novel submucosal injection agent (Eleview (™)) for endoscopic mucosal resection and endoscopic submucosal dissection** *TRANSLATIONAL GASTROENTEROLOGY AND HEPATOLOGY*
Girotra, M., Triadafilopoulos, G., Friedland, S.
2018; 3
- **Underwater endoscopic mucosal resection of anal condyloma.** *VideoGIE : an official video journal of the American Society for Gastrointestinal Endoscopy*
Girotra, M., Friedland, S.
2018; 3 (4): 123–24
- **Closure of large colonic defects by use of submucosal buttressed clips.** *VideoGIE : an official video journal of the American Society for Gastrointestinal Endoscopy*
Girotra, M., Friedland, S.
2018; 3 (3): 87–88
- **A Chance to Cut Is a Chance to Cure: Endoscopic Submucosal Dissection for Early Gastric Cancer.** *Digestive diseases and sciences*
Huang, R. J., Charville, G. W., Hwang, J. H., Friedland, S. n.
2018
- **Endoscopic Mucosal Resection with Circumferential Mucosal Incision for Colorectal Neoplasms: Comparison with Endoscopic Submucosal Dissection and between Two Endoscopists with Different Experiences** *CLINICAL ENDOSCOPY*
Yang, D., Kwak, M., Park, S., Ye, B., Byeon, J., Myung, S., Yang, S., Kim, H., Friedland, S.
2017; 50 (4): 379–87
- **Avulsion for the treatment of visible residual neoplasia during EMR of colorectal polyps: Is "heat" required? Response** *GASTROINTESTINAL ENDOSCOPY*
Holmes, I., Kim, H., Yang, D., Friedland, S.
2017; 86 (1): 251-+
- **When Experts Fail: Short Turn Radius Colonoscope to the Rescue? Utility of a Novel Colonoscope for Incomplete Colonoscopy Due to Bowel Fixity**
Girotra, M., Barakat, M. T., Huang, R. J., Sethi, S., Friedland, S., Ladabaum, U., Banerjee, S.
MOSBY-ELSEVIER.2017: AB517
- **Closure of Large Colonic Defects Using Submucosal Buttressed Clips**
Friedland, S.
MOSBY-ELSEVIER.2017: AB146
- **Plastic Stents Are Comparable to Lumen Apposing Metal Stents in the Management of Pancreatic Pseudocysts: A Large International Multicenter Study**
Yang, J. F., Chen, Y., Friedland, S., Holmes, I., Law, R., Hosmer, A., Stevens, T., Franco, M. C., Jang, S., Pawa, R., Mathur, N., Sejal, D. V., Inamdar, et al
MOSBY-ELSEVIER.2017: AB323
- **Lumen Apposing Stents Are Superior to Plastic Stents in the Management of Pancreatic Walled-Off Necrosis: A Large International Multicenter Study**
Chen, Y., Yang, J. F., Friedland, S., Holmes, I., Law, R., Hosmer, A., Stevens, T., Franco, M. C., Jang, S., Pawa, R., Mathur, N., Sejal, D. V., Inamdar, et al
MOSBY-ELSEVIER.2017: AB470
- **Adenoma miss rates associated with a 3-minute versus 6-minute colonoscopy withdrawal time: a prospective, randomized trial.** *Gastrointestinal endoscopy*
Kumar, S., Thosani, N., Ladabaum, U., Friedland, S., Chen, A. M., Kochar, R., Banerjee, S.
2016
- **Combining endoscopic submucosal dissection and endoscopic mucosal resection to treat neoplasia in Barrett's esophagus** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*

- Holmes, I., Hing, T., Friedland, S.
2016; 30 (12): 5330-5337
- **Endoscopic Therapy With Lumen-apposing Metal Stents Is Safe and Effective for Patients With Pancreatic Walled-off Necrosis** *CLINICAL GASTROENTEROLOGY AND HEPATOLOGY*
Sharaiha, R. Z., Tyberg, A., Khashab, M. A., Kumta, N. A., Karia, K., Nieto, J., Siddiqui, U. D., Waxman, I., Joshi, V., Benias, P. C., Darwin, P., Dimaio, C. J., Mulder, et al
2016; 14 (12): 1797-1803
 - **EUS to the Rescue: Endoscopic Ultrasound-Guided Transgastric Cholecystostomy in Acute Cholecystitis** *DIGESTIVE DISEASES AND SCIENCES*
Kochar, R., Kumar, U., Triadafilopoulos, G., Friedland, S.
2016; 61 (12): 3436-3439
 - **Adenosine triphosphate bioluminescence for bacteriological surveillance and reprocessing strategies for minimizing risk of infection transmission by duodenoscopes.** *Gastrointestinal endoscopy*
Sethi, S., Huang, R. J., Barakat, M. T., Banaei, N., Friedland, S., Banerjee, S.
2016
 - **Avulsion is superior to argon plasma coagulation for treatment of visible residual neoplasia during EMR of colorectal polyps (with videos).** *Gastrointestinal endoscopy*
Holmes, I., Kim, H. G., Yang, D., Friedland, S.
2016; 84 (5): 822-829
 - **Colonoscopy with polypectomy is associated with a low rate of complications in patients with cirrhosis.** *Endoscopy international open*
Huang, R. J., Perumpail, R. B., Thosani, N., Cheung, R., Friedland, S.
2016; 4 (9): E947-52
 - **Endoscopic Mucosal Resection versus Endoscopic Submucosal Dissection for Large Polyps: A Western Colonoscopist's View.** *Clinical endoscopy*
Holmes, I., Friedland, S.
2016; 49 (5): 454-456
 - **Outcomes of endoscopic treatment of second recurrences of large nonpedunculated colorectal adenomas** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Kim, H. G., Sethi, S., Banerjee, S., Friedland, S.
2016; 30 (6): 2457-2464
 - **Minimally invasive approaches to resection of benign/low-grade gastric tumors** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Salles, A., Dua, M., Friedland, S., Visser, B.
2016; 30 (6): 2624-25
 - **Comparative Analysis of Endoscopic Mucosal Resection With Circumferential Mucosal Incision and Endoscopic Submucosal Dissection for the Treatment of Colorectal Neoplasms**
Yang, D., Kwak, M., Ye, B., Byeon, J., Myung, S., Yang, S., Kim, H., Friedland, S.
MOSBY-ELSEVIER.2016: AB236
 - **Combining Endoscopic Submucosal Dissection and Endoscopic Mucosal Resection to Treat Neoplasia in Barrett's Esophagus**
Holmes, I., Hing, T., Friedland, S.
MOSBY-ELSEVIER.2016: AB558
 - **Outpatient Colorectal Endoscopic Submucosal Dissection: Results of a Practical Approach in the USA**
Yang, D., Kim, H., Friedland, S.
MOSBY-ELSEVIER.2016: AB383
 - **Avulsion Is Superior to Argon Plasma Coagulation for Treatment of Visible Residual Neoplasia During Endoscopic Mucosal Resection of Colorectal Polyps**
Holmes, I., Friedland, S.
MOSBY-ELSEVIER.2016: AB118-AB119
 - **How Good Is Good Enough? Lymph Node Metastasis After Endoscopic Resection of a Rectosigmoid Polyp.** *Digestive diseases and sciences*
Holmes, I., Triadafilopoulos, G., Jensen, K., Friedland, S.
2016; 61 (3): 704-707

- **Surgical Strategies for the Management of Necrotizing Pancreatitis** *JOURNAL OF THE PANCREAS*
Dua, M. M., Worhunsky, D. J., Tran, T. B., Friedland, S., Park, W. G., Visser, B. C.
2015; 16 (6): 547–58
- **The Diagnostic Yield of Endoscopic Ultrasound-Guided Fine Needle Aspiration of Subcentimeter Lesions**
Huang, R. J., Friedland, S., Sethi, S., Ullah, S., Chen, A. M.
NATURE PUBLISHING GROUP.2015: S664
- **Cyst Fluid Glucose is Rapidly Feasible and Accurate in Diagnosing Mucinous Pancreatic Cysts.** *American journal of gastroenterology*
Zikos, T., Pham, K., Bowen, R., Chen, A. M., Banerjee, S., Friedland, S., Dua, M. M., Norton, J. A., Poultides, G. A., Visser, B. C., Park, W. G.
2015; 110 (6): 909-914
- **Predictive Factors for Surgery Among Patients with Pancreatic Cysts in the Absence of High-Risk Features for Malignancy** *JOURNAL OF GASTROINTESTINAL SURGERY*
Quan, S. Y., Visser, B. C., Poultides, G. A., Norton, J. A., Chen, A. M., Banerjee, S., Friedland, S., Park, W. G.
2015; 19 (6): 1101-1105
- **Endoscopic Mucosal Resection With Circumferential Precut (Precut EMR) for Colorectal Neoplasia: Comparative Analysis With Endoscopic Submucosal Dissection**
Yang, D., Bae, J., Soh, J., Lee, S., Lee, H., Lee, H., Park, S., Kim, K., Ye, B., Byeon, J., Myung, S., Yang, S., Kim, et al
MOSBY-ELSEVIER.2015: AB168
- **Multicenter Experience With a Lumen Aposing Stent for Walled-Off Pancreatic Necrosis (WOPN): the US Experience**
Sharaiha, R. Z., Tyberg, A., Khashab, M., Karia, K., Siddiqui, U. D., Waxman, I., Joshi, V., Benias, P. C., Darwin, P., Dimairo, C. J., Mulder, C., Friedland, S., Forcione, et al
MOSBY-ELSEVIER.2015: AB161–AB162
- **Multi-Center Experience With the Cryoballoon Focal Ablation System (CAS) for Esophageal Dysplasia**
Wang, K. K., Chen, A. M., Friedland, S., Jobe, B. A.
MOSBY-ELSEVIER.2015: AB522
- **Colorectal Hybrid-ESD and ESD Outcomes in an American Referral Center**
Yang, D., Kim, H., Friedland, S.
MOSBY-ELSEVIER.2015: AB272–AB273
- **A Real-Time Clinical Endoscopic System for Intraluminal, Multiplexed Imaging of Surface-Enhanced Raman Scattering Nanoparticles** *PLOS ONE*
Garai, E., Sensarn, S., Zavaleta, C. L., Loewke, N. O., Rogalla, S., Mandella, M. J., Felt, S. A., Friedland, S., Liu, J. T., Gambhir, S. S., Contag, C. H.
2015; 10 (4)
- **Radiation exposure to patients during ERCP is significantly higher with low-volume endoscopists.** *Gastrointestinal endoscopy*
Liao, C., Thosani, N., Kothari, S., Friedland, S., Chen, A., Banerjee, S.
2015; 81 (2): 391-8 e1
- **Endoscopic resection of duodenal adenomas: endoscopic mucosal resection or endoscopic submucosal dissection?** *ENDOSCOPY*
Friedland, S.
2015; 47 (2): 99–100
- **Radiation exposure to patients during ERCP is significantly higher with low-volume endoscopists.** *Gastrointestinal endoscopy*
Liao, C., Thosani, N., Kothari, S., Friedland, S., Chen, A., Banerjee, S.
2015; 81 (2): 391-398 e1
- **Short turn radius colonoscope in an anatomical model: Retroflexed withdrawal and detection of hidden polyps.** *World journal of gastroenterology*
Mcgill, S. K., Kothari, S., Friedland, S., Chen, A., Park, W. G., Banerjee, S.
2015; 21 (2): 593-599
- **Effect of prior biopsy sampling, tattoo placement, and snare sampling on endoscopic resection of large nonpedunculated colorectal lesions** *GASTROINTESTINAL ENDOSCOPY*
Kim, H. G., Thosani, N., Banerjee, S., Chen, A., Friedland, S.
2015; 81 (1): 204-213

- **The learning curve for detection of non-polypoid (flat and depressed) colorectal neoplasms.** *Gut*
McGill, S. K., Kaltenbach, T., Friedland, S., Soetikno, R.
2015; 64 (1): 184-185
- **A real-time clinical endoscopic system for intraluminal, multiplexed imaging of surface-enhanced Raman scattering nanoparticles.** *PloS one*
Garai, E., Sensarn, S., Zavaleta, C. L., Loewke, N. O., Rogalla, S., Mandella, M. J., Felt, S. A., Friedland, S., Liu, J. T., Gambhir, S. S., Contag, C. H.
2015; 10 (4)
- **Underwater endoscopic mucosal resection for recurrences after previous piecemeal resection of colorectal polyps** *GASTROINTESTINAL ENDOSCOPY*
Kim, H. G., Thosani, N., Banerjee, S., Chen, A., Friedland, S.
2014; 80 (6): 1094-1102
- **Rapid Point-of-Care Measurement of Cyst Fluid Glucose Is Feasible and Accurate in Predicting Mucinous Pancreatic Cysts**
Zikos, T., Pham, K., Chen, A., Banerjee, S., Friedland, S., Dua, M., Norton, J., Poultides, G., Visser, B., Park, W.
NATURE PUBLISHING GROUP.2014: S86
- **Safe and effective colon polypectomy in patients receiving uninterrupted anticoagulation: can we do it?** *GASTROINTESTINAL ENDOSCOPY*
Kim, H., Friedland, S.
2014; 79 (3): 424-46
- **Outcomes of repeat colonoscopy in patients with polyps referred for surgery without biopsy-proven cancer** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Banerjee, S., Kochar, R., Chen, A., Shelton, A.
2014; 79 (1): 101-107
- **Treatment of nonampullary sporadic duodenal adenomas with endoscopic mucosal resection or ablation.** *Digestive diseases and sciences*
Perumpail, R., Friedland, S.
2013; 58 (10): 2751-2752
- **Metabolomic-derived novel cyst fluid biomarkers for pancreatic cysts: glucose and kynurenine.** *Gastrointestinal endoscopy*
Park, W. G., Wu, M., Bowen, R., Zheng, M., Fitch, W. L., Pai, R. K., Wodziak, D., Visser, B. C., Poultides, G. A., Norton, J. A., Banerjee, S., Chen, A. M., Friedland, et al
2013; 78 (2): 295-302 e2
- **Metabolomic-derived novel cyst fluid biomarkers for pancreatic cysts: glucose and kynurenine** *GASTROINTESTINAL ENDOSCOPY*
Park, W. G., Wu, M., Bowen, R., Zheng, M., Fitch, W. L., Pai, R. K., Wodziak, D., Visser, B. C., Poultides, G. A., Norton, J. A., Banerjee, S., Chen, A. M., Friedland, et al
2013; 78 (2): 295-?
- **A Raman-based endoscopic strategy for multiplexed molecular imaging.** *Proceedings of the National Academy of Sciences of the United States of America*
Zavaleta, C. L., Garai, E., Liu, J. T., Sensarn, S., Mandella, M. J., Van de Sompel, D., Friedland, S., Van Dam, J., Contag, C. H., Gambhir, S. S.
2013; 110 (25): E2288-97
- **A Raman-based endoscopic strategy for multiplexed molecular imaging** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zavaleta, C. L., Garai, E., Liu, J. C., Sensarn, S., Mandella, M. J., Van de Sompel, D., Friedland, S., Van Dam, J., Contag, C. H., Gambhir, S. S.
2013; 110 (25): 10062-63
- **A Raman-based endoscopic strategy for multiplexed molecular imaging.** *Proceedings of the National Academy of Sciences of the United States of America*
Zavaleta, C. L., Garai, E., Liu, J. T., Sensarn, S., Mandella, M. J., Van de Sompel, D., Friedland, S., Van Dam, J., Contag, C. H., Gambhir, S. S.
2013; 110 (25): E2288-97
- **Endoscopic management of nonlifting colon polyps.** *Diagnostic and therapeutic endoscopy*
Friedland, S., Shelton, A., Kothari, S., Kochar, R., Chen, A., Banerjee, S.
2013; 2013: 412936-?
- **Diagnostic Utility of Metabolomic-Derived Biomarkers for Pancreatic Cysts**
Park, W. G., Wu, M., Bowen, R., Zheng, M., Fitch, W. L., Pai, R. K., Wodziak, D., Visser, B. C., Poultides, G. A., NORTON, J. A., Banerjee, S., Chen, A. M., Friedland, et al
LIPPINCOTT WILLIAMS & WILKINS.2012: 1394-94

- **Water-aided colonoscopy: a systematic review** *GASTROINTESTINAL ENDOSCOPY*
Leung, F. W., Amato, A., Ell, C., Friedland, S., Harker, J. O., Hsieh, Y., Leung, J. W., Mann, S. K., Paggi, S., Pohl, J., Radaelli, F., Ramirez, F. C., Siao-Salera, et al
2012; 76 (3): 657-666
- **Is colonoscopy best learned underwater?** *Journal of interventional gastroenterology*
Friedland, S., Perumpail, R.
2012; 2 (3): 140-141
- **The water exchange method for colonoscopy-effect of coaching.** *Journal of interventional gastroenterology*
Leung, F., Cheung, R., Fan, R., Fischer, L., Friedland, S., Ho, S., Hsieh, Y., Hung, I., Li, M., Matsui, S., McQuaid, K., Ohning, G., OJURI, et al
2012; 2 (3): 122-125
- **Endoscopic mucosal resection with an over-the-counter hyaluronate preparation** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Kothari, S., Chen, A., Park, W., Banerjee, S.
2012; 75 (5): 1040-1044
- **Radiation Exposure to Patients During ERCP Is Significantly Higher With Low Volume Endoscopists** *53rd Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract (SSAT) / Digestive Disease Week (DDW) / Meeting of the Pancreas-Club*
Kothari, S., Liao, C., Friedland, S., Chen, A. M., Park, W., Banerjee, S.
MOSBY-ELSEVIER.2012: 140-41
- **The Learning Curve for Detection of Nonpolypoid (Flat and Depressed) Colorectal Neoplasms**
McGill, S. K., Kaltenbach, T., Friedland, S., Soetikno, R. M.
MOSBY-ELSEVIER.2012: 177-78
- **Water Exchange May Be Superior to Water Immersion Minimizes Colonoscopy Discomfort and Increases Adenoma Detection Rate (ADR) - Review of Recent Randomized Controlled Trials (RCT)** *53rd Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract (SSAT) / Digestive Disease Week (DDW) / Meeting of the Pancreas-Club*
Leung, F. W., Amato, A., Ell, C., Friedland, S., Harker, J. O., Hsieh, Y., Leung, J. W., Mann, S. K., Paggi, S., Pohl, J., Radaelli, F., Ramirez, F. C., Siao-Salera, et al
MOSBY-ELSEVIER.2012: 276-76
- **Endoscopic Mucosal Resection Using an Inexpensive Over the Counter Hyaluronate Preparation** *53rd Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract (SSAT) / Digestive Disease Week (DDW) / Meeting of the Pancreas-Club*
Kothari, S., Banerjee, S., Chen, A. M., Park, W., Friedland, S.
MOSBY-ELSEVIER.2012: 344-45
- **Comparison of EUS-Guided Pancreas Biopsy Techniques Using the Procore (TM) Needle** *53rd Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract (SSAT) / Digestive Disease Week (DDW) / Meeting of the Pancreas-Club*
Kothari, S., Chen, A. M., Pai, R., Friedland, S., Park, W. G., Banerjee, S.
MOSBY-ELSEVIER.2012: 145-45
- **A New Colonoscope With a Short Turn Radius Allowing Full Withdrawal in Complete Retroflexion Improves Detection of Simulated Polyps Hidden Behind Folds and Flexures in Anatomic Colon Models** *53rd Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract (SSAT) / Digestive Disease Week (DDW) / Meeting of the Pancreas-Club*
McGill, S. K., Kothari, S., Friedland, S., Chen, A. M., Park, W. G., Pasricha, P. J., Banerjee, S.
MOSBY-ELSEVIER.2012: 215-15
- **Post-Procedural Reading of ERCP Spot Films by Radiologists: Has it Improved in the Era of Electronic Medical Records?** *53rd Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract (SSAT) / Digestive Disease Week (DDW) / Meeting of the Pancreas-Club*
Kothari, S. T., Friedland, S., Chen, A. M., Banerjee, S.
MOSBY-ELSEVIER.2012: 137-38
- **Is EGD Necessary in Patients With Positive Fecal Occult Blood Test and Negative Colonoscopy?** *53rd Annual Meeting of the Society-for-Surgery-of-the-Alimentary-Tract (SSAT) / Digestive Disease Week (DDW) / Meeting of the Pancreas-Club*
Kothari, S., Liao, C., Friedland, S., Chen, A. M., Park, W., Banerjee, S.
MOSBY-ELSEVIER.2012: 139-40
- **Proficiency in the Diagnosis of Nonpolypoid Colorectal Neoplasm Yields High Adenoma Detection Rates** *DIGESTIVE DISEASES AND SCIENCES*
Kaltenbach, T., McGill, S. K., Kalidindi, V., Friedland, S., Soetikno, R.

2012; 57 (3): 764-770

- **A tandem colonoscopy study of adenoma miss rates during endoscopic training: a venture into uncharted territory** *GASTROINTESTINAL ENDOSCOPY*
Munroe, C. A., Lee, P., Copland, A., Wu, K. K., Kaltenbach, T., Soetikno, R. M., Friedland, S.
2012; 75 (3): 561-567
- **Diagnostic accuracy of cyst fluid amphiregulin in pancreatic cysts** *BMC GASTROENTEROLOGY*
Tun, M. T., Pai, R. K., Kwok, S., Dong, A., Gupta, A., Visser, B. C., Norton, J. A., Poultides, G. A., Banerjee, S., Van Dam, J., Chen, A. M., Friedland, S., Scott, et al
2012; 12
- **Colonoscopy With Clipping Is Useful in the Diagnosis and Treatment of Diverticular Bleeding** *CLINICAL GASTROENTEROLOGY AND HEPATOLOGY*
Kaltenbach, T., Watson, R., Shah, J., Friedland, S., Sato, T., Shergill, A., McQuaid, K., Soetikno, R.
2012; 10 (2): 131-137
- **In vivo near-infrared dual-axis confocal microendoscopy in the human lower gastrointestinal tract** *JOURNAL OF BIOMEDICAL OPTICS*
Piyawattanametha, W., Ra, H., Qiu, Z., Friedland, S., Liu, J. T., Loewke, K., Kino, G. S., Solgaard, O., Wang, T. D., Mandella, M. J., Contag, C. H.
2012; 17 (2)
- **Goff Trans-pancreatic Septotomy Is an Effective and Safe Biliary Cannulation Technique for Patients Who Fail Standard Biliary Cannulation** *76th Annual Scientific Meeting of the American-College-of-Gastroenterology*
Liao, C., Park, W., Chen, A., Friedland, S., Banerjee, S.
NATURE PUBLISHING GROUP.2011: S56-S56
- **Safety and efficacy of colonoscopy to treat diverticular bleeding - long-term outcomes of a large multicenter cohort**
Kaltenbach, T., Watson, R., Shah, J., Friedland, S., Sato, T., Shergill, A., McQuaid, K., Soetikno, R.
WILEY-BLACKWELL.2011: 79-79
- **Removal of infused water predominantly during insertion (water exchange) is consistently associated with a greater reduction of pain score - review of data in RCTs of water method colonoscopy**
Leung, F., Leung, J., Siao-Salera, R., Mann, S., Ramirez, F., Friedland, S., Amato, A., Radaelli, F., Hsieh, Y.
WILEY-BLACKWELL.2011: 128-129
- **Removal of Infused Water Predominantly During Insertion (Water Exchange) is Consistently Associated with a Higher Adenoma Detection Rate - Review of Data in Randomized Controlled Trials of Water Method Colonoscopy** *76th Annual Scientific Meeting of the American-College-of-Gastroenterology*
Leung, F., Leung, J., Siao-Salera, R., Mann, S., Ramirez, F., Friedland, S., Amato, A., Radaelli, F., Paggi, S., Terruzzi, V.
NATURE PUBLISHING GROUP.2011: S566-S566
- **The water method significantly enhances patient-centered outcomes in sedated and unsedated colonoscopy** *ENDOSCOPY*
Leung, F. W., Leung, J. W., Mann, S. K., Friedland, S., Ramirez, F. C.
2011; 43 (9): 816-821
- **A novel device for ablation of abnormal esophageal mucosa** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Triadafilopoulos, G.
2011; 74 (1): 182-188
- **Removal of infused water predominantly during insertion (water exchange) is consistently associated with a greater reduction of pain score - review of randomized controlled trials (RCTs) of water method colonoscopy.** *Journal of interventional gastroenterology*
Leung, F., Harker, J., Leung, J., Siao-Salera, R., Mann, S., Ramirez, F., Friedland, S., Amato, A., Radaelli, F., Paggi, S., Terruzzi, V., Hsieh, Y.
2011; 1 (3): 114-120
- **Removal of infused water predominantly during insertion (water exchange) is consistently associated with an increase in adenoma detection rate - review of data in randomized controlled trials (RCTs) of water-related methods.** *Journal of interventional gastroenterology*
Leung, F., Harker, J., Leung, J., Siao-Salera, R., Mann, S., Ramirez, F., Friedland, S., Amato, A., Radaelli, F., Paggi, S., Terruzzi, V., Hsieh, Y.
2011; 1 (3): 121-126
- **Learning and teaching the water method (with videos).** *Journal of interventional gastroenterology*
Friedland, S., Leung, F. W.
2011; 1 (3): 127-129
- **Use of the Colonoscope Training Model with the Colonoscope 3D Imaging Probe Improved Trainee Colonoscopy Performance: A Pilot Study** *DIGESTIVE DISEASES AND SCIENCES*

- Kaltenbach, T., Leung, C., Wu, K., Yan, K., Friedland, S., Soetikno, R.
2011; 56 (5): 1496-1502
- **DDW 2011 cutting edge colonoscopy techniques - state of the art lecture master class - warm water infusion/CO(2) insufflation for colonoscopy.** *Journal of interventional gastroenterology*
Leung, F. W., Leung, J. W., Mann, S. K., Friedland, S., Ramirez, F. C., Olafsson, S.
2011; 1 (2): 78-82
 - **The water immersion technique for colonoscopy insertion.** *Gastroenterology & hepatology*
Friedland, S.
2010; 6 (9): 555-556
 - **Integrating urgent multidetector CT scanning in the diagnostic algorithm of active lower GI bleeding** *GASTROINTESTINAL ENDOSCOPY*
Copland, A., Munroe, C. A., Friedland, S., Triadafilopoulos, G.
2010; 72 (2): 402-405
 - **Water immersion versus standard colonoscopy insertion technique: randomized trial shows promise for minimal sedation** *ENDOSCOPY*
Leung, C. W., Kaltenbach, T., Soetikno, R., Wu, K. K., Leung, F. W., Friedland, S.
2010; 42 (7): 557-563
 - **Long-Term Impact of Capsule Endoscopy in Patients Referred for Iron-Deficiency Anemia** *DIGESTIVE DISEASES AND SCIENCES*
Sheibani, S., Levesque, B. G., Friedland, S., Roost, J., Gerson, L. B.
2010; 55 (3): 703-708
 - **Meckel's Diverticulum with Gastrointestinal Bleeding: Role of Computed Tomography in Diagnosis** *DIGESTIVE DISEASES AND SCIENCES*
Munroe, C. A., Copland, A., Pai, R., Friedland, S., Triadafilopoulos, G.
2010; 55 (2): 242-244
 - **From Bench to Bedside with Advanced Confocal Microendoscope** *IEEE Photonics Society Winter Topicals Meeting Series*
Piyawattanametha, W., Mandella, M. J., Ra, H., Liu, J. T., Friedland, S., Qiu, Z., Kino, G. S., Wang, T. D., Contag, C. H., Solgaard, O.
IEEE.2010: 83-84
 - **Colonoscopy with Polypectomy in Patients Taking Clopidogrel.** *Gastroenterology research*
Friedland, S., Leung, C. W., Soetikno, R. M.
2009; 2 (4): 209-212
 - **Use of an endoscope-compatible probe to detect colonic dysplasia with Fourier transform infrared spectroscopy** *JOURNAL OF BIOMEDICAL OPTICS*
Mackanos, M. A., Hargrove, J., Wolters, R., Du, C. B., Friedland, S., Soetikno, R. M., Contag, C. H., Arroyo, M. R., Crawford, J. M., Wang, T. D.
2009; 14 (4)
 - **Endoscopic necrosectomy of organized pancreatic necrosis: a currently practiced NOTES procedure** *JOURNAL OF HEPATO-BILIARY-PANCREATIC SURGERY*
Friedland, S., Kaltenbach, T., Sugimoto, M., Soetikno, R.
2009; 16 (3): 266-269
 - **Colonoscopic polypectomy in anticoagulated patients** *WORLD JOURNAL OF GASTROENTEROLOGY*
Friedland, S., Sedehi, D., Soetikno, R.
2009; 15 (16): 1973-1976
 - **Safe endoscopic treatment of large colonic lipomas using endoscopic looping technique** *DIGESTIVE AND LIVER DISEASE*
Kaltenbach, T., Milkes, D., Friedland, S., Soetikno, R.
2008; 40 (12): 958-961
 - **A randomised tandem colonoscopy trial of narrow band imaging versus white light examination to compare neoplasia miss rates** *GUT*
Kaltenbach, T., Friedland, S., Soetikno, R.
2008; 57 (10): 1406-1412
 - **Integrated gastrointestinal imaging and therapy** *GASTROENTEROLOGY*
Soetikno, R., Kaltenbach, T., Binmoeller, K., Friedland, S., Burdon, T.
2008; 134 (5): 1290-1292

- **Detection of colonic dysplasia in vivo using a targeted heptapeptide and confocal microendoscopy** *NATURE MEDICINE*
Hsiung, P., Hardy, J., Friedland, S., Soetikno, R., Du, C. B., Wu, A. P., Sahbaie, P., Crawford, J. M., Lowe, A. W., Contag, C. H., Wang, T. D.
2008; 14 (4): 454-458
- **Prevalence of nonpolypoid (flat and depressed) colorectal neoplasms in asymptomatic and symptomatic adults** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Soetikno, R. M., Kaltenbach, T., Rouse, R. V., Park, W., Maheshwari, A., Sato, T., Matsui, S., Friedland, S.
2008; 299 (9): 1027-1035
- **American gastroenterological association (AGA) institute technology assessment on image-enhanced endoscopy** *GASTROENTEROLOGY*
Kaltenbach, T., Sano, Y., Friedland, S., Soetikno, R.
2008; 134 (1): 327-340
- **Small caliber overtube-assisted colonoscopy** *WORLD JOURNAL OF GASTROENTEROLOGY*
Friedland, S., Soetikno, R. M.
2007; 13 (44): 5933-5937
- **Functional imaging of colonic mucosa with a fibered Confocal microscope for real-time in vivo pathology** *CLINICAL GASTROENTEROLOGY AND HEPATOLOGY*
Wang, T. D., Friedland, S., Sahbaie, P., Soetikno, R., Hsiung, P., Liu, J. T., Crawford, J. M., Contag, C. H.
2007; 5 (11): 1300-1305
- **Detection of endogenous biomolecules in Barrett's esophagus by Fourier transform infrared spectroscopy** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Wang, T. D., Triadafilopoulos, G., Crawford, J. M., Dixon, L. R., Bhandari, T., Sahbaie, P., Friedland, S., Soetikno, R., Contag, C. H.
2007; 104 (40): 15864-15869
- **Long-term use of proton pump inhibitors does not affect the frequency, growth, or histologic characteristics of colon adenomas** *ALIMENTARY PHARMACOLOGY & THERAPEUTICS*
Singh, M., Dhindsa, G., Friedland, S., Triadafilopoulos, G.
2007; 26 (7): 1051-1061
- **Transnasal small-caliber esophagogastroduodenoscopy for preoperative evaluation of the high-risk morbidly obese patient** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
Alami, R. S., Schuster, R., Friedland, S., Curet, M. J., Wren, S. M., Soetikno, R., Morton, J. M., Safadi, B. Y.
2007; 21 (5): 758-760
- **Short- and long-term outcomes of standardized EMR of nonpolypoid (flat and depressed) colorectal lesions \geq 1 cm (with video)** *GASTROINTESTINAL ENDOSCOPY*
Kaltenbach, T., Friedland, S., Maheshwari, A., Ouyang, D., Rouse, R. V., Wren, S., Soetikno, R.
2007; 65 (6): 857-865
- **Diagnosis of chronic mesenteric ischemia by visible light spectroscopy during endoscopy** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Benaron, D., Coogan, S., Sze, D. Y., Soetikno, R.
2007; 65 (2): 294-300
- **Prophylactic clip application after colonic polypectomy - Response** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Soetikno, R.
2007; 65 (1): 183
- **Use of a double balloon enteroscope facilitates caecal intubation after incomplete colonoscopy with a standard colonoscope** *DIGESTIVE AND LIVER DISEASE*
Kaltenbach, T., Soetikno, R., Friedland, S.
2006; 38 (12): 921-925
- **Dual-axes confocal reflectance microscope for distinguishing colonic neoplasia** *JOURNAL OF BIOMEDICAL OPTICS*
Liu, J. T., Mandella, M. J., Friedland, S., Soetikno, R., Crawford, J. M., Contag, C. H., Kino, G. S., Wang, T. D.
2006; 11 (5)
- **Long-term proton pump inhibitors (PPIs) use does not affect the frequency, growth, or histologic characteristics of colon polyps** *71st Annual Scientific Meeting of the American-College-of-Gastroenterology*

- Singh, M., Dhindsa, G., Friedland, S., Triadafilopoulos, G.
NATURE PUBLISHING GROUP.2006: S215-S215
- **Colonoscopy with polypectomy in anticoagulated patients** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Soetikno, R.
2006; 64 (1): 98-100
 - **Clipping for upper gastrointestinal bleeding** *AMERICAN JOURNAL OF GASTROENTEROLOGY*
Kaltenbach, T., Friedland, S., Barro, J., Soetikno, R.
2006; 101 (5): 915-918
 - **Absence of ischemia in telangiectasias of chronic radiation proctopathy** *ENDOSCOPY*
Friedland, S., Benaron, D., Maxim, P., Parachikov, I., Soetikno, R.
2006; 38 (5): 488-492
 - **Colonic Mucosal Resection of Significant (> 1 cm) Sessile and Non-Polypoid Colorectal Neoplasms: Long Term Experience of a United States Endoscopy Unit. Tonya Kaltenbach, Anamika Maheshwari, Daniel Ouyang, Shai Friedland, Roy Soetikno Division of Gastroenterology, Veterans Affairs Palo Alto Health Care System, Stanford University School of Medicine, Stanford CA**
Kaltenbach, T., Maheshwari, A., Ouyang, D., Friedland, S., Soetikno, R.
MOSBY-ELSEVIER.2006: AB203-AB203
 - **Nonpolypoid (flat and depressed) colorectal neoplasms** *GASTROENTEROLOGY*
Soetikno, R., Friedland, S., Kaltenbach, T., Chayama, K., Tanaka, S.
2006; 130 (2): 566-576
 - **A learning curve for advanced endoscopic resection** *GASTROINTESTINAL ENDOSCOPY*
Gotoda, T., Friedland, S., Hamanaka, H., Soetikno, R.
2005; 62 (6): 866-867
 - **Design of a visible-light spectroscopy clinical tissue oximeter** *JOURNAL OF BIOMEDICAL OPTICS*
Benaron, D. A., Parachikov, I. H., Cheong, W. F., Friedland, S., Rubinsky, B. E., Otten, D. M., Liu, F. W., Levinson, C. J., Murphy, A. L., Price, J. W., Talmi, Y., Weersing, J. P., Duckworth, et al
2005; 10 (4)
 - **Optical detection of tumors in vivo by visible light tissue oximetry** *TECHNOLOGY IN CANCER RESEARCH & TREATMENT*
Maxim, P. G., Carson, J. J., Benaron, D. A., Loo, B. W., Xing, L., Boyer, A. L., Friedland, S.
2005; 4 (3): 227-234
 - **18-fluorodeoxyglucose positron emission tomography has limited sensitivity for colonic adenoma and early stage colon cancer** *Digestive Disease Week Meeting/105th Annual Meeting of the American-Gastroenterological-Association*
Friedland, S., Soetikno, R., Carlisle, M., Taur, A., Kaltenbach, T., Segall, G.
MOSBY-ELSEVIER.2005: 395-400
 - **Reflectance spectrophotometry for the assessment of mucosal perfusion in the gastrointestinal tract.** *Gastrointestinal endoscopy clinics of North America*
Friedland, S., Soetikno, R., Benaron, D.
2004; 14 (3): 539-?
 - **Continuous, noninvasive, and localized microvascular tissue oximetry using visible light spectroscopy** *ANESTHESIOLOGY*
Benaron, D. A., Parachikov, I. H., Friedland, S., Soetikno, R., Brock-Utne, J., van der Starre, P. J., Nezhat, C., Terris, M. K., Maxim, P. G., Carson, J. J., Razavi, M. K., Gladstone, H. B., Fincher, et al
2004; 100 (6): 1469-1475
 - **Ligate and let go** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Kahng, L. S., Torosis, J., Soetikno, R. M.
2003; 58 (3): 473-474
 - **Measurement of mucosal capillary hemoglobin oxygen saturation in the colon by reflectance spectrophotometry** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Benaron, D., Parachikov, I., Soetikno, R.
2003; 57 (4): 492-497

- **Quantitative clinical non-pulsatile and localized visible light oximeter: Design of the T-Stat (TM) tissue oximeter** *Conference on Optical Tomography and Spectroscopy of Tissue V*
Benaron, D. A., Parachikov, I. H., Cheong, W. F., Friedland, S., Duckworth, J. L., Otten, D. A., Rubinsky, B. E., Horchner, U. B., Kermit, E. L.
SPIE-INT SOC OPTICAL ENGINEERING.2003: 355–368
- **Measurement of mucosal capillary hemoglobin oxygen saturation in the colon by reflectance spectrophotometry** *Conference on Lasers in Surgery - Advanced Characterization, Therapeutics and Systems XIII*
Friedland, S., Benaron, D., Parachikov, I., Soetikno, R.
SPIE-INT SOC OPTICAL ENGINEERING.2003: 405–412
- **Gastric pancreatic rest leading to pyogenic liver abscess** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Yu, A., Rouse, R. V., Wong, D., Nino-Murcia, M., Soetikno, R. M.
2002; 56 (3): 438-440
- **Preoperative evaluation of submucosal invasive colorectal cancer using a 15-MHZ ultrasound miniprobe.** *Gastrointestinal endoscopy*
Friedland, S., Soetikno, R.
2002; 55 (7): 959-961
- **Bedside scoring system to predict the risk of developing pancreatitis following ERCP** *ENDOSCOPY*
Friedland, S., Soetikno, R. M., Vandervoort, J., Montes, H., Tham, T., Carr-Locke, D. L.
2002; 34 (6): 483-488
- **A novel method to control severe upper GI bleeding from metastatic cancer with a hemostatic sealant: the CoStasis surgical hemostat** *GASTROINTESTINAL ENDOSCOPY*
Milkes, D. E., Friedland, S., Lin, O. S., Reid, T. R., Soetikno, R. M.
2002; 55 (6): 735-740
- **Placement of esophageal self-expandable metallic stents without fluoroscopy** *GASTROINTESTINAL ENDOSCOPY*
Friedland, S., Soetikno, R.
2001; 54 (3): 420-420
- **Stenting the sigmoid colon in a terminally ill patient with prostate cancer.** *Journal of palliative medicine*
Friedland, S., Hallenbeck, J., Soetikno, R. M.
2001; 4 (2): 153-156
- **Lift and ligate: a new technique to treat a bleeding polypectomy stump** *GASTROINTESTINAL ENDOSCOPY*
Soetikno, R. M., Friedland, S., Lewit, V., Woodford, S.
2000; 52 (5): 681-683
- **Long-term follow-up of patients with chronic hepatitis B: A 25 year prospective study.**
Cardenas, C. L., Soetikno, R., Robinson, W. S., Merigan, T. C., Gregory, P. B., Friedland, S., Kwan, J., Garcia, G.
WILEY-BLACKWELL.1999: 300A–300A