



Leila Neshatian

Clinical Associate Professor, Medicine - Gastroenterology & Hepatology

CLINICAL OFFICES

- **Stanford Gastroenterology and Digestive Health Clinic**

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Bio

CLINICAL FOCUS

- Gastroenterology
- Neurogastroenterology and Motility
- Pelvic Floor Disorders
- Benign Anorectal Disorders

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine - Gastroenterology & Hepatology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- GI Program Director, Neuro-Gastroenterology Fellowship, Stanford, (2021- present)
- Director, Neurogastroenterology and Motility, Stanford, (2021- present)
- GI Director, Pelvic Health Center, Stanford, (2018- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Councillor, Neurogastroenterology & Motility (NGM) section of the AGA Institute Council (2022 - present)
- Committee Member, ROME V Committee, Functional Anorectal Disorders Work Group (2021 - present)
- Committee Member, International Continence Society (ICS), Bowel Disease Consensus Work Group (2020 - present)
- Chair, Pelvic Floor Disorder Consortium, Pelvic Floor Testing Work Group (2020 - 2021)
- Committee Member, American College of Gastroenterology, Irritable Bowel Syndrome patient education task force (2018 - 2021)

PROFESSIONAL EDUCATION

- Board Certification: Gastroenterology, American Board of Internal Medicine (2015)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2011)

- Fellowship, Mayo Clinic College of Medicine, Rochester, MN , Gastroenterology and Hepatology (2015)
- Residency, Einstein Collège of Medicine, Jacobi Medical Centerx, Bronx, NY , Internal Medicine Residency (2012)
- M.D., Shahid Beheshti University of Medical Sciences, Tehran, Iran , Medicine (2001)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Gastroenterology & Hepatology (Fellowship Program)

Publications

PUBLICATIONS

- **Anorectal manometry for the diagnosis of pelvic floor disorders in patients with hypermobility spectrum disorders and hypermobile Ehlers-Danlos syndrome.** *BMC gastroenterology*
Zhou, W., Zikos, T. A., Halawi, H., Sheth, V. R., Gurland, B., Nguyen, L. A., Neshatian, L.
2022; 22 (1): 538
- **Delivery of Fecal Material to Terminal Ileum Is Associated with Long-Term Success of Fecal Microbiota Transplantation.** *Digestive diseases and sciences*
Weingarden, A. R., Treiger, O., Ulsh, L., Limketkai, B., Goldenberg, D., Okafor, P., Sonu, I., Stollman, N., Neshatian, L.
2022
- **Irritable Bowel Syndrome Symptoms in Nonalcoholic Fatty Liver Disease Patients Are an Indicator of Depression and Anxiety.** *Journal of clinical gastroenterology*
Franco, L., Jones-Pauley, M., Tamimi, O., Neshatian, L., Nguyen, D., Graviss, E., Quigley, E. M., Victor, D. 3.
2022
- **Environmental Pollutants are Associated with Irritable Bowel Syndrome in a Commercially Insured Cohort of California Residents.** *Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association*
Okafor, P. N., Dahlen, A., Youssef, M., Olayode, A., Sonu, I., Neshatian, L., Nguyen, L., Charu, V.
2022
- **MRI biomarker of muscle composition is associated with severity of pelvic organ prolapse.** *Techniques in coloproctology*
Neshatian, L., Lam, J. P., Gurland, B. H., Liang, T., Becker, L., Sheth, V. R.
2022
- **Alterations in brain activation patterns in women with functional defecatory disorder: A novel fMRI rectal balloon expulsion study.** *Neurogastroenterology and motility : the official journal of the European Gastrointestinal Motility Society*
Neshatian, L., Karmonik, C., Khavari, R., Shi, Z., Elias, S., Boone, T., Quigley, E. M.
2022: e14389
- **Intra-subject Variability in High Resolution Anorectal Manometry Using the London Classification: Diagnostic and Therapeutic Implications.** *Digestive diseases and sciences*
Triadafilopoulos, G., Clarke, J. O., Kamal, A., Neshatian, L.
2022
- **Consensus Definitions and Interpretation Templates for Magnetic Resonance Imaging of Defecatory Pelvic Floor Disorders: Proceedings of the Consensus Meeting of the Pelvic Floor Disorders Consortium of the American Society of Colon and Rectal Surgeons, the Society of Abdominal Radiology, the International Continence Society, the American Urogynecologic Society, the International Urogynecological Association, and the Society of Gynecologic Surgeons.** *AJR. American journal of roentgenology*
Gurland, B. H., Khatri, G., Ram, R., Hull, T. L., Kocjancic, E., Quiroz, L. H., Sayed, R. F., Jambhekar, K. R., Chernyak, V., Paspulati, R. M., Sheth, V. R., Steiner, A. M., Kamath, et al
2021: 1-13
- **PELVIC FLOOR DISORDERS IN PATIENTS WITH HYPERMOBILITY SPECTRUM DISORDERS**
Zhou, W., Zikos, T., Orakzai, A., Gurland, B., Nguyen, L. B., Neshatian, L.
W B SAUNDERS CO-ELSEVIER INC.2021: S500

- **COVID-19 PANDEMIC INCREASED HEALTHCARE UTILIZATION AMONG PATIENTS WITH FUNCTIONAL GASTROINTESTINAL DISORDERS**
Gubatan, J., Zikos, T., Wu, J., Spear, E., Gottfried, A. C., Becker, L. S., Habtezion, A., Neshatian, L.
W B SAUNDERS CO-ELSEVIER INC.2021: S28-S29
- **STOOL DELIVERY TO THE TERMINAL ILEUM MAY AFFECT RISK OF RECURRENCE OF CLOSTRIDIODES DIFFICILE INFECTION FOLLOWING INTESTINAL MICROBIOTA TRANSPLANTATION**
Weingarden, A., Ulsh, L., Limketkai, B. N., Sonu, I., Okafor, P. N., Neshatian, L.
W B SAUNDERS CO-ELSEVIER INC.2021: S369-S370
- **Rectal Prolapse: Age-Related Differences in Clinical Presentation and What Bothers Women Most.** *Diseases of the colon and rectum*
Neshatian, L., Lee, A., Trickey, A., Arnow, K., Gurland, B.
2021
- **Regional Gastrointestinal Transit and Contractility Patterns Vary in Postural Orthostatic Tachycardia Syndrome (POTS).** *Digestive diseases and sciences*
Zhou, W., Zikos, T. A., Clarke, J. O., Nguyen, L. A., Triadafilopoulos, G., Neshatian, L.
2021
- **Postoperative complications and recurrence rates after rectal prolapse surgery versus combined rectal prolapse and pelvic organ prolapse surgery.** *International urogynecology journal*
Wallace, S. L., Enemchukwu, E. A., Mishra, K. n., Neshatian, L. n., Chen, B. n., Rogo-Gupta, L. n., Sokol, E. R., Gurland, B. H.
2021
- **Gastrointestinal symptoms and healthcare utilization have increased among patients with functional gastrointestinal and motility disorders during the COVID-19 pandemic.** *Neurogastroenterology and motility : the official journal of the European Gastrointestinal Motility Society*
Gubatan, J., Zikos, T., Spear Bishop, E., Wu, J., Gottfried, A., Becker, L., Habtezion, A., Neshatian, L.
2021: e14243
- **Consensus Definitions and Interpretation Templates for Magnetic Resonance Imaging of Defecatory Pelvic Floor Disorders: Proceedings of the Consensus Meeting of the Pelvic Floor Disorders Consortium of the American Society of Colon and Rectal Surgeons, the Society of Abdominal Radiology, the International Continence Society, the American Urogynecologic Society, the International Urogynecological Association, and the Society of Gynecologic Surgeons.** *Diseases of the colon and rectum*
Gurland, B. H., Khatri, G., Ram, R., Hull, T. L., Kocjancic, E., Quiroz, L. H., El Sayed, R. F., Jambhekar, K. R., Chernyak, V., Mohan Paspulati, R., Sheth, V. R., Steiner, A. M., Kamath, et al
2021; 64 (10): 1184-1197
- **Consensus definitions and interpretation templates for magnetic resonance imaging of Defecatory pelvic floor disorders : Proceedings of the consensus meeting of the pelvic floor disorders consortium of the American Society of Colon and Rectal Surgeons, the Society of Abdominal Radiology, the international continence society, the American Urogynecologic Society, the international Urogynecological association, and the Society of Gynecologic Surgeons.** *International urogynecology journal*
Gurland, B. H., Khatri, G., Ram, R., Hull, T. L., Kocjancic, E., Quiroz, L. H., El Sayed, R. F., Jambhekar, K. R., Chernyak, V., Paspulati, R. M., Sheth, V. R., Steiner, A. M., Kamath, et al
2021
- **Coronavirus Testing Before Motility Laboratory Procedures: An Update.** *The American journal of gastroenterology*
Gyawali, C. P., Baker, J. R., Moshiree, B., Rao, S., Neshatian, L., Nguyen, L., Chey, W. D., Saad, R., Garza, J. M., Waseem, S., Khan, A. R., Pandolfino, J. E.
2020
- **High Prevalence of Methane Predominant Small Bowel Bacterial Overgrowth and Constipation in Patients With Hypermobile Ehlers-Danlos Syndrome**
Zhou, W., Zikos, T., Neshatian, L., Nguyen, L.
LIPPINCOTT WILLIAMS & WILKINS.2020: S238
- **American Neurogastroenterology and Motility Society Task Force Recommendations for Resumption of Motility Laboratory Operations During the COVID-19 Pandemic.** *The American journal of gastroenterology*
Baker, J. R., Moshiree, B., Rao, S., Neshatian, L., Nguyen, L., Chey, W. D., Saad, R., Garza, J. M., Waseem, S., Khan, A. R., Pandolfino, J. E., Gyawali, C. P.
2020
- **Abnormal Balloon Expulsion Test in Patients with Fecal Incontinence.** *Journal of gastrointestinal and liver diseases : JGLD*
Neshatian, L., Fosso, C., Quigley, E.
2020

- **DYNAMIC ECHODEFECOGRAPHY FOR ASSESMENT OF FUNCTIONAL DEFECATORY DISORDERS**
Nashatian, L., Gurland, B.
W B SAUNDERS CO-ELSEVIER INC.2020: S388-S389
- **IRRITABLE BOWEL SYNDROME SYMPTOMS IN NON-ALCOHOLIC FATTY LIVER DISEASE PATIENTS ARE AN INDICATOR OF DEPRESSION AND ANXIETY**
Jones-Pauley, M., Franco, L., Tamimi, O., Nashatian, L., Victor, D., Quigley, E. M.
W B SAUNDERS CO-ELSEVIER INC.2020: S1429
- **Marijuana, Ondansetron, and Promethazine Are Perceived as Most Effective Treatments for Gastrointestinal Nausea.** *Digestive diseases and sciences*
Zikos, T. A., Nguyen, L., Kamal, A., Fernandez-Becker, N., Regalia, K., Nandwani, M., Sonu, I., Garcia, M., Okafor, P., Neshatian, L., Grewal, D., Garcia, P., Triadafilopoulos, et al
2020
- **Pelvic Floor Disorders and Functional Anorectal Pain** *DIAGNOSIS AND MANAGEMENT GUIDE FOR ANORECTAL DISEASE: A CLINICAL REFERENCE*
Nashatian, L., Qureshi, W.
2020: 63–77
- **Rectal Distension Increased the Rectoanal Gradient in Patients with Normal Rectal Sensory Function.** *Digestive diseases and sciences*
Nashatian, L. n., Williams, M. O., Quigley, E. M.
2020
- **Motility Abnormalities Identified by Wireless Motility Capsule in Postural Orthostatic Tachycardia Syndrome**
Zikos, T. A., Zhou, W., Clarke, J. O., Nguyen, L. A., Neshatian, L.
LIPPINCOTT WILLIAMS & WILKINS.2019: S279
- **WHICH ANTI-NAUSEA THERAPIES DO PATIENTS BELIEVE WORK BEST? A PATIENT-REPORTED EFFICACY STUDY**
Zikos, T., Nguyen, L. B., Kamal, A., Fernandez-Becker, N., Regalia, K., Nandwani, M., Sonu, I., Garcia, M., Okafor, P. N., Neshatian, L., Grewal, D., Garcia, P., Clarke, et al
W B SAUNDERS CO-ELSEVIER INC.2019: S782
- **High Prevalence of Slow Transit Constipation in Patients With Gastroparesis** *JOURNAL OF NEUROGASTROENTEROLOGY AND MOTILITY*
Zikos, T. A., Kamal, A. N., Neshatian, L., Triadafilopoulos, G., Clarke, J. O., Nandwani, M., Nguyen, L. A.
2019; 25 (2): 267–75
- **High Prevalence of Slow Transit Constipation in Patients With Gastroparesis.** *Journal of neurogastroenterology and motility*
Zikos, T. A., Kamal, A. N., Neshatian, L., Triadafilopoulos, G., Clarke, J. O., Nandwani, M., Nguyen, L. A.
2019
- **Editorial: Botox for levator ani** *TECHNIQUES IN COLOPROCTOLOGY*
Gurland, B. H., Neshatian, L.
2019; 23 (3): 199–200
- **Neural control properties of the external anal sphincter in young and elderly women.** *Neurourology and urodynamics*
Dias, N. n., Zhang, C. n., Li, X. n., Neshatian, L. n., Orejuela, F. J., Zhang, Y. n.
2019
- **BRAIN FUNCTIONAL MRI REVEALS ALTERATIONS IN BRAIN ACTIVITY DURING SIMULATED EVACUATION IN PATIENTS WITH FUNCTIONAL DEFECATORY DISORDERS**
Nashatian, L., Karmonik, C., Pande, R., Elias, S., Khavari, R., Quigley, E. M.
W B SAUNDERS CO-ELSEVIER INC.2018: S185
- **BRAIN FUNCTIONAL MRI REVEALS ALTERATIONS IN BRAIN ACTIVITY DURING PELVIC FLOOR CONTRACTION IN PATIENTS WITH FUNCTIONAL DEFECATORY DISORDERS**
Nashatian, L., Karmonik, C., Pande, R., Elias, S., Khavari, R., Quigley, E. M.
W B SAUNDERS CO-ELSEVIER INC.2018: S543-S544
- **The assessment and management of defecatory dysfunction: a critical appraisal** *CURRENT OPINION IN GASTROENTEROLOGY*
Nashatian, L.
2018; 34 (1): 31-37

- **A Case of Gastrointestinal Bleeding as Initial Presentation of Metastatic Cutaneous Melanoma**
Fosso, C., Beshay, S., Neshatian, L.
NATURE PUBLISHING GROUP.2017: S1019
- **Anorectal Pressure Profile in IBD Patients as Compared to Non-IBD Patients With Fecal Incontinence**
Koduru, P., Fosso, C., Abraham, B., Neshatian, L., Quigley, E.
NATURE PUBLISHING GROUP.2017: S238
- **EFFECT OF RECTAL DISTENTION ON ANAL PRESSURES DURING SIMULATED DEFECTION IN PATIENTS WITH DEFECCATORY DISORDERS**
Koduru, P., Omer, A., Quigley, E., Neshatian, L.
W B SAUNDERS CO-ELSEVIER INC.2017: S317-S318
- **SUPRASPINAL CONTROL OF DEFECCATION USING CONCURRENT FUNCTIONAL MAGNETIC RESONANCE IMAGING AND RECTAL PRESSURE MONITORING**
Neshatian, L., Quigley, E., Khavari, R., Elias, S., Karmonik, C.
W B SAUNDERS CO-ELSEVIER INC.2017: S929
- **PHENOTYPE IDENTIFICATION OF PATIENTS WITH DEFECCATORY DISORDERS WHO WILL BENEFIT FROM SQUATTING STOOL**
Koduru, P., Iqbal, S., Quigley, E., Neshatian, L.
W B SAUNDERS CO-ELSEVIER INC.2017: S318
- **RELATIONSHIPS BETWEEN ANAL PRESSURE PROFILES DERIVED FROM HIGH-DEFINITION ANORECTAL MANOMETRY AND RESULTS OF BALLOON EXPULSION TEST IN PATIENTS WITH CHRONIC CONSTIPATION**
Thomas, A., Fosso, C., Ergun, G., Quigley, E., Neshatian, L.
W B SAUNDERS CO-ELSEVIER INC.2017: S17
- **The assessment and management of defecatory dysfunction: a critical appraisal.** *Current opinion in gastroenterology*
Neshatian, L. n.
2017
- **Irritable bowel syndrome (IBS) patients have SCN5A channelopathies that lead to decreased NaV1.5 current and mechanosensitivity.** *American journal of physiology. Gastrointestinal and liver physiology*
Strege, P. R., Mazzone, A. n., Bernard, C. E., Neshatian, L. n., Gibbons, S. J., Saito, Y. A., Tester, D. J., Calvert, M. L., Mayer, E. A., Chang, L. n., Ackerman, M. J., Beyder, A. n., Farrugia, et al
2017: ajpgi.00016.2017
- **A rare cause of an upper gastrointestinal bleed.** *Gastroenterology*
Thomas, A. S., Schwartz, M. R., Neshatian, L. n.
2017
- **Difficult to Find, Easy to Treat!**
Anam, O., Raza, A., Neshatian, L.
NATURE PUBLISHING GROUP.2016: S1130
- **Long-term Follow-up Study of Fecal Microbiota Transplantation for Severe and/or Complicated Clostridium difficile Infection A Multicenter Experience** *JOURNAL OF CLINICAL GASTROENTEROLOGY*
Aroniadis, O. C., Brandt, L. J., Greenberg, A., Borody, T., Kelly, C. R., Mellow, M., Surawicz, C., Cagle, L., Neshatian, L., Stollman, N., Giovannelli, A., Ray, A., Smith, et al
2016; 50 (5): 398-402
- **Computational Modeling and Simulation of Fecal Incontinence - The Effect of Stool Consistency on Leakage**
Peng, Y., Neshatian, L., Quigley, E. M., Zhang, Y.
W B SAUNDERS CO-ELSEVIER INC.2016: S944
- **Balloon Expulsion and Relationship to Anal Sphincter Function in Fecal Incontinence**
Neshatian, L., Koduru, P., Quigley, E.
W B SAUNDERS CO-ELSEVIER INC.2016: S943-S944
- **Advancing treatment options for chronic idiopathic constipation** *EXPERT OPINION ON PHARMACOTHERAPY*
Quigley, E. M., Neshatian, L.

2016; 17 (4): 501-511

- **Neurogenic Bowel Dysfunction in Patients with Neurogenic Bladder.** *Current bladder dysfunction reports*
Martinez, L. n., Neshatian, L. n., Khavari, R. n.
2016; 11 (4): 334-40
- **Ranolazine inhibits voltage-gated mechanosensitive sodium channels in human colon circular smooth muscle cells** *AMERICAN JOURNAL OF PHYSIOLOGY-GASTROINTESTINAL AND LIVER PHYSIOLOGY*
Neshatian, L., Strege, P. R., Rhee, P., Kraichely, R. E., Mazzone, A., Bernard, C. E., Cima, R. R., Larson, D. W., Dozois, E. J., Kline, C. F., Mohler, P. J., Beyder, A., Farrugia, et al
2015; 309 (6): G506-G512
- **A Hidden Cause of Dysphagia. Primary Esophageal Lymphoma.** *Gastroenterology*
Neshatian, L., Katzka, D. A.
2015; 149 (3): 549-550
- **IBS Patients Have SCN5A Mutations That Result in Decreased Na(V)1.5 Current and Mechanosensitivity**
Neshatian, L., Strege, P. R., Beyder, A., Bernard, C. E., Mazzone, A., Gibbons, S. J., Tester, D. J., Will, M. L., Mayer, E. A., Chang, L., Ackerman, M. J., Farrugia, G.
W B SAUNDERS CO-ELSEVIER INC.2015: S130-S131
- **Macrophages in diabetic gastroparesis - the missing link?** *NEUROGASTROENTEROLOGY AND MOTILITY*
Neshatian, L., Gibbons, S. J., Farrugia, G.
2015; 27 (1): 7-18
- **Ranolazine Blocks Na(V)1.5 Peak Current and Shear Sensitivity in Human Colonic Circular Smooth Muscle**
Neshatian, L., Strege, P., Larson, D., Cima, R., Beyder, A., Farrugia, G.
NATURE PUBLISHING GROUP.2014: S194
- **Abdominal Pain and Bloating in an Auto Mechanic** *GASTROENTEROLOGY*
Neshatian, L., Halland, M., Arora, A. S.
2014; 146 (7): 1610-1611
- **Y1767 Is Important for Block of Na(V)1.5 Shear Sensitivity by Ranolazine**
Neshatian, L., Strege, P. R., Bernard, C. E., Beyder, A., Farrugia, G.
W B SAUNDERS CO-ELSEVIER INC.2014: S528
- **Complications of Dropped Gallstones**
Neshatian, L., Arora, A.
NATURE PUBLISHING GROUP.2013: S261-S262
- **Long-Term Follow-up Study of Fecal Microbiota Transplantation (FMT) for Severe or Complicated Clostridium difficile Infection (CDI)**
Aroniadis, O. C., Brandt, L. J., Greenberg, A., Borody, T. J., Kelly, C., Mellow, M., Surawicz, C., Cagle, L. A., Neshatian, L.
W B SAUNDERS CO-ELSEVIER INC.2013: S185
- **Clostridium difficile Associated Disease in Parturient Women**
Neshatian, L., Gendlina, I., Phyu, E., Sidlow, R.
NATURE PUBLISHING GROUP.2012: S229
- **Cytomegalovirus Infection Complicating Management of Inflammatory Bowel Disease in the Immunocompetent Patient**
Neshatian, L., Tilara, A., Feuerstadt, P., Goldberg, S.
NATURE PUBLISHING GROUP.2010: S353
- **Distinct modulation of K-v1.2 channel gating by wild type, but not open form, of syntaxin-1A** *AMERICAN JOURNAL OF PHYSIOLOGY-GASTROINTESTINAL AND LIVER PHYSIOLOGY*
Neshatian, L., Leung, Y. M., Kang, Y., Gao, X., Xie, H., Tsushima, R. G., Gaisano, H. Y., Diamant, N. E.
2007; 292 (5): G1233-G1242
- **Calcium source diversity in feline lower esophageal sphincter circular and sling muscle** *AMERICAN JOURNAL OF PHYSIOLOGY-GASTROINTESTINAL AND LIVER PHYSIOLOGY*
Muinuddin, A., Neshatian, L., Gaisano, H. Y., Diamant, N. E.

2004; 286 (2): G271-G277

- **Spontaneous tone and cholinergic contractions: Differences in calcium handling in cat lower esophageal sphincter sling and clasp muscles**

Muinuddin, A., Neshatian, L., Diamant, N. E.

W B SAUNDERS CO.2003: A161-A162

PRESENTATIONS

- The stimulatory effect of Phorbol Myristat Acetat on Monocyte-Derived Macrophage Function and Nitro Blue Tetrazolium Reduction Assay - 6th Iranian Congress of Immunology and Allergy (May 2002)
- Balloon Expulsion Test in Patient with Fecal Incontinence - 2016 Joint International American Neurogastroenterology and Motility Society and European Neurogastroenterology and Motility Society (August 27, 2016)
- Functional Connectivity of the Defecation Network in Women - International Continence Society Annual Scientific Meeting (September 13, 2017)
- Brain Functional MRI Reveals Alterations in Brain Activity During Simulated Evacuation in Patients with Functional Defecatory Disorders - American Gastroenterological Association Annual Scientific Meeting (June 5, 2018)
- Which Symptoms Associated with Rectal Prolapse Are Most Likely To Motivate Women to Seek Medical Care? - American Society of Colon and Rectal Surgeons Annual Scientific Meeting (June 8, 2020)