

CURRICULUM VITAE

Name	Satish SC Rao	Country	United States
Affiliation/ Present Position	Professor Department of Internal Medicine Augusta University Medical Center		

Education

1978 – MBBS – Osmania Medical College, Osmania University, Hyderabad, India
 1979 – LRCP; MRCS – Conjoint Board London (UK)
 1982 – MRCP – Royal College of Physicians, London (UK)
 1987 – PhD – University of Sheffield, (UK)
 1996 – FRCP – Royal College of Physicians, London (UK) 005021
 1999 – FACP – American College of Gastroenterology
 2007 – AGAF – American Gastroenterological Association

Training and Career (Residency and Experience)

May 1979-Jan. 1980 House Surgeon (Surgery) North Manchester General Hospital
 Feb. 1980-July 1980 House Physician (Internal Medicine) Manchester, UK; Newcastle General Hospital; Newcastle Upon Tyne, UK
 Aug. 1980-July 1982 Senior House Officer (Internal Medicine, Coronary Care, Renal Unit, Intensive Care, (Endocrinology) - Sunderland Royal Hospital, UK
 Aug. 1982-May 1984 Registrar (Internal Medicine, Gastroenterology, Pulmonary (Endocrinology) District Hospital, York, UK
 June 1984-Oct. 1985 Clinical Research Fellow and Honorary Medical Registrar (Gastroenterology) Royal Hallamshire Hospital, Sheffield, UK
 Nov. 1985-Apr. 1986 Senior Registrar in Gastroenterology – Royal Hallamshire Hospital, Sheffield, UK
 May 1986-July 1987 Clinical Research Fellow, Gastroenterology – Royal Hallamshire, Sheffield, UK
 Nov. 1987-Dec. 1988 Registrar In Gastroenterology & Advanced GI Endoscopy & Therapeutics Fellow – Royal Liverpool Hospital, Liverpool, UK

Award and Activity

2020 Diploma & Honorary Member for Distinguished Career & Professor & Service to Association of Mexican Neurogastroenterology & Motility, Mexico City.
 2020 Medical College of Georgia Distinguished Research Faculty Award, Augusta, GA
 2021 ACG Edgar Achkar Distinguished Visiting Professor, University of Rochester, New York
 2021 Medical College of Georgia Mentoring Excellence Award, Augusta, GA
 2021 Ray Clouse, MD, and Washington University Distinguished Visiting Professor, St. Louis, MO
 2021 ACG Distinguished Mentor & Educator Award, Las Vegas, Nevada

Research Interests

1. Repetitive translumbar & transsacral magnetic stimulation therapy in fecal incontinence.
2. Bidirectional brain and gut interaction.

3. Fructose intolerance. Randomized controlled trial with L-Alanine.
4. Biofeedback therapy for fecal incontinence. Neuromuscular conditioning therapy for defecation (Home vs Office) disorders using biofeedback techniques.
5. Fructan intolerance and clinical utility of breath hydrogen test.
6. Small intestinal bacterial and fungal overgrowth – Pathogenesis, novel diagnostic testing and treatment.
7. To investigate the role of neuropathy and repetitive translumbar magnetic stimulation therapy in Levator Ani Syndrome.
8. Comparative effectiveness of SNS, Solesta and Biofeedback therapy for fecal incontinence.
9. Evaluation of Fecobionics – Novel device for defecation dynamics & fecal incontinence.
10. Neuropathobiology and brain-gut dysfunction in Parkinson's Disease.

Bibliography: representative publications from the last three years

1. Carrington EV, Scott SM, Bharucha A, Mion F, Remes-Troche JM, Malcolm A, Heinrich H, Fox M, Rao SSC. Physiological Evaluation of Anorectal Function. *Nature Reviews Gastroenterology Hepatology* 2018.
2. Rao SSC. Transporter inhibitor, elobixibat, in chronic constipation. *The Lancet-Gastroenterology & Hepatology*. Published On-Line, May 2018.
3. Rao SSC. Update on the role of plecanatide in the treatment of chronic idiopathic constipation. *Ther Adv Gastroenterol* 2018, 11:1-14.
4. Rao SSC, Rehman A, Yu S, Shaffer N. Brain fogginess, gas and bloating: A link between SIBO, probiotics and metabolic acidosis. Rao et al. *Clinical and Translational Gastroenterology* 2018.
5. Rao SSC, Lichtlen P, Habibi S. Effects of lubiprostone, An intestinal secretagogue, on Electrolyte homeostasis in chronic idiopathic and opioid-induced constipation. *J Clin Gastroenterol* 2021;55:512-519.
6. Rao, Valestin JA, Xiang X, Handy S, Bradley CS, Zimmerman BM. Home –based versus office-based biofeedback therapy for constipation with dyssynergic defecation: A randomized controlled trial. Published on-line, *Lancet Gastroenterol Hepatol* 2018.
7. Sharma A, Kurek J, Morgan JC, Wakade C, Rao SSC. Constipation in Parkinson's Disease: A Nuisance or Nuanced Answer to the pathophysiological Puzzle? *Curr Gastroenterol Rep* (2018) 20:1.
8. Rao SSC, Go JT, Valestin J, Scheider J. Home biofeedback for the treatment of dyssynergic defecation (DD): Does it improve quality of life (QOL) and is it cost-effective? *Am J Gastroenterol* 2019;114:938-944.
9. Rao SSC, Bhagatwala J. Small intestinal bacterial overgrowth: Clinical features and therapeutic management. *Clin Trans Gastroenterol* 2019. PMID: 31584459.
10. Amieva-Balmori M, Coss-Adame E, Rao N, Pantoja BM, Rao SSC. Diagnostic Utility of carbohydrate breath tests for SIBO, Fructose, and Lactose Intolerance. *Dig Dis Sci* 2020;65:1405-1413.
11. Carrington E, Heinrich H, Knowles CH, Fox M, Rao SSC, et al. The International Anorectal Physiology Working Group Recommendations for Anorectal Function Testing: Standardized Protocol and Classification of Anorectal Function Testing: Standardized Protocol and Classification of Anorectal Function. *Nurogastroenterol Motil* 2019;00e13679.
12. Pimentel M, Saad RJ, Long MD, Rao SSC. ACG Clinical Guideline: Small intestinal bacterial overgrowth. *Am J Gastroenterol* 2020; 115:165-178.
13. Viswanathan L, Kennedy K, Sharma A, Yan Y, Jimenez E, Rao SSC. Prevalence of disaccharidase

deficiency in adults with unexplained gastrointestinal symptoms. *J. Neurogastroenterol Motil* 2020;26:3:384-390.

14. Curtin B, Jimenez E, Rao SSC. Clinical evaluation of a patient with symptoms of colonic or anorectal motility disorders. *J Neurogastroenterol Motil* 2020;26(4):423-436.

15. Rao SSC, Xiang X, Sharma A, Patcharatrakul T, Yan Y, Parr R, Ayyala D, Handy S. Translumbosacral Neuromodulation Therapy for fecal incontinence: Randomized frequency response. *Am J Gastroenterol* 2021;116:162-170.

16. Rao SSC, Xiang X, Yan Y, Rattanakovit K, Patcharatrakul T, Parr R, Ayyala D, Sharma A. Randomized clinical trial: Linaclotide versus placebo—a study of bi-directional gut and brain axis. *Aliment Pharmacol Ther* 2020;51:1332-1341.

17. Rao SSC, Lembo A, Chey WD, Friedenberg K, Quigley EMM. Effects of the vibrating capsule on colonic circadian rhythm and bowel symptoms in chronic idiopathic constipation. *Neurogastroenterol & Motil* 2020:e13890.

18. Baharak M, Rao SSC. Up-to-date diagnosis and management of IBS and chronic constipation in primary care. *Supplement to the Journal of Family Practice* 2021;70 (1suppl[ii]):S2-S15.

19. Rao SSC, Brenner D. Efficacy and Safety of over-the-counter therapies for chronic constipation: An updated systematic review. *Am J Gastroenterol* 2021;116:1156-1181.

20. Sharma A, Xiang X, Yan Y, Parr R, Rao SSC. Home versus office biofeedback therapy for fecal incontinence. *Neurogastroenterol Motil* 2021;00:e14168.P1-9.

21. Sharma A, Rao SSC, Kearns K, Orlect K, Waldman S. Review Article: Exploring diagnosis management and patient perspectives of the spectrum of constipation disorders. *Alim Pharmacol Ther*, 2021. *Aliment Pharmacol Ther* 2021;53(12):1250-1267.

22. Rao SSC, Coss-Adame E, Yun Y, Erdogan A, Valestin J, Ayyala DN. Sensory Adaptation Training or Escitalopram for IBS with Constipation and Rectal Hypersensitivity: Randomized Controlled Trial. *Clin Translational Gastroenterol* 2021;12:e00381.

23. Rao SSC, Yun Y, Erdogan A, Coss-Adame E, Patcharatrakul T, Valestin J, Ayyala DN. Barostat or Syringe-Assisted Sensory Training for Rectal Hyposensitivity – Randomized Controlled Trial. *Neurogastroenterol Motil* 2021. *Neurogastroenterol Motil* 2021;e14226.doi:10.1111/nmo.14226.