

## CURRICULUM VITAE

<b>Name</b>	<b>Uday C Ghoshal</b>	<b>Country</b>	<b>India</b>
<b>Affiliation/ Present Position</b>	<b>Professor Department of Gastroenterology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India</b>		

<b>Education</b>
<b>Jan 1981 - Feb. 1986 (MBBS) Burdwan Medical College, Burdwan, West Bengal, India</b>
<b>July 1988 – July 1991 (MD) Postgraduate Institute of Medical Education and Research, Chandigarh, India</b>
<b>July 1991 - April 1992 (DNB) National Board of Examination, New Delhi, India</b>
<b>July 1991-Aug 1994 (DM) Sanjay Gandhi Postgraduate Institute of Medical Sc. Lucknow, India</b>

### **Training and Carrier (Residency and Experience)**

Positions held	Institutions	From	To
Compulsory rotating internship	Burdwan medical college & hospital	January 1986	December 1986
Housestaffship First 6 mo: Medicine 2 <sup>nd</sup> 6 mo: Chest medicine	Burdwan medical college & hospital	January 1987	December 1987
Housestaffship Psychiatry	Burdwan medical college & hospital	January 1988	June 1988
Junior residency (Medicine)	PGIMER, Chandigarh	July 1988	June 1991
Senior residency (Gastro)	SGPGI, Lucknow	January 1992	January 1995
Senior research associate (CSIR)	Dept. of Gastro, IPGMER & SSKM, Calcutta	April 1995	March 1996
Medical officer	Dept. of Gastro, IPGMER & SSKM, Calcutta	April 1996	April 2000
Assistant professor	Dept. of Gastro, SGPGI, Lucknow	April 2000	June 2004
Associate professor	Dept. of Gastro, SGPGI, Lucknow	July 2004	July 2009
WHO Fellow	Epidemiology Unit, University Hospital of PSU, Hat Yai, Thailand	6 <sup>th</sup> October 2009	13 <sup>th</sup> Nov 2009
Additional Professor	Dept. of Gastro, SGPGI, Lucknow	July 2009	June 2012
Professor	Department of Gastroenterology, SGPGI, Lucknow	July 2012	Contd.
Faculty Incharge, Research	SGPGI, Lucknow	Feb 2020	Additional job

<b>Award and Activity</b>
<b>Fellow, American College of Gastroenterology, USA</b>
<b>Rome Foundation Fellow, USA</b>
<b>Fellow of Royal College of Physicians, Ediburgh, UK</b>
<b>Fellow, National Academy of Medical Science, India</b>
<b>Editor-in-Chief, Indian J Gastroenterol</b>
<b>Associate Editor, J Neurogastroenterol Motil</b>

**Warran and Marshall Oration, 2019, APAGE**

**Shakuntala Amir Chand Award, Indian Council of Medical Research**

**Fellow of World Health Organization on Epidemiology & Biostatistics, Epidemiology unit, Prince of Sonkhla University, Hat Yai, Thailand**

**International Visiting Consultant, Hamad Medical Corporation, Doha, Qatar**

**Visiting Consultant, Mayo Clinics, Scottsdale, Arizona, USA**

**Eight gold Medals during MBBS**

### **Research Interests**

**Functional Gastrointestinal Disorders**

**Gastrointestinal Motility Disorders**

**Inflammatory bowel disease**

### **Bibliography: representative publications from the last three years**

1: Ghoshal UC, Bhut B, Misra A. Patients with Specific Gastrointestinal Motility Disorders are Commonly Diagnosed as Functional GI Disorders in the Early Stage by Community Physicians due to Lack of Awareness. Turk J Gastroenterol. 2021 Apr;32(4):336-348. doi: 10.5152/tjg.2021.20514. PMID: 34231480.

2: Das P, Vaiphei K, Amarapurkar AD, Sakhuja P, Nada R, Paulose RR, Chaturvedi R, Sekaran A, Kini U, Rastogi A, Kumari N, Pulimood A, Banerjee M, Kinra P, Singh L, Puri A, Pai G, Kochhar R, Dhali GK, Ramakrishna BS, Sood A, Ghoshal UC, Ahuja V, DattaGupta S, Makharia GK, Misra V. Best practices of handling, processing, and interpretation of small intestinal biopsies for the diagnosis and management of celiac disease: A joint consensus of Indian association of pathologists and microbiologists and Indian society of gastroenterology. Indian J Pathol Microbiol. 2021 Jun;64(Supplement):S8-S31. doi: 10.4103/IJPM.IJPM\_1405\_20. PMID: 34135135.

3: Shah SU, Xiu Ling Loo E, En Chua C, Sen Kew G, Demutska A, Quek S, Wong S, Lau HX, Low EXS, Loh TL, Lung OS, Hung ECW, Rahman MM, Ghoshal UC, Wong SH, Cheung CKY, Syam AF, Tan N, Xiao Y, Liu JS, Lu F, Chen CL, Lee YY, Maralit RM, Kim YS, Oshima T, Miwa H, Siah KTH, Pang J. Association between well-being and compliance with COVID-19 preventive measures by healthcare professionals: A cross-sectional study. PLoS One. 2021 Jun 7;16(6):e0252835. doi: 10.1371/journal.pone.0252835. PMID: 34097719; PMCID: PMC8183980.

4: Sperber AD, Freud T, Aziz I, Palsson OS, Drossman DA, Dumitrascu DL, Fang X,

Fukudo S, Ghoshal UC, Kellow J, Khatun R, Okeke E, Quigley EMM, Schmulson M, Simren M, Tack J, Whitehead WE, Whorwell P, Bangdiwala SI. Greater Overlap of Rome IV Disorders of Gut-Brain Interactions Leads to Increased Disease Severity and Poorer Quality of Life. *Clin Gastroenterol Hepatol*. 2021 May 27:S1542-3565(21)00580-2. doi: 10.1016/j.cgh.2021.05.042. Epub ahead of print. PMID: 34052391.

5: Ghoshal UC. Antibiotic treatment for small intestinal bacterial overgrowth: Is a cocktail better than a single? *United European Gastroenterol J*. 2021 Jul;9(6):643-644. doi: 10.1002/ueg2.12075. Epub 2021 May 5. PMID: 33951351; PMCID: PMC8280792.

6: Ghoshal U, Tejan N, Sisodia J, Verma S, Prasad N, Uc G. The utility of multiplex polymerase chain reaction for diagnosis of infectious diarrhoea in a tropical country. *Indian J Med Microbiol*. 2021 Jul;39(3):323-327. doi: 10.1016/j.ijmmb.2021.03.024. Epub 2021 Apr 24. PMID: 33906747.

7: Rahman MM, Ghoshal UC, Kibria MG, Sultana N, Yusuf MA, Nahar S, Ahmed F, Rowshon A, Hasan M. Functional Dyspepsia, Peptic Ulcer, and *Helicobacter pylori* Infection in a Rural Community of South Asia: An Endoscopy-Assisted Household Survey. *Clin Transl Gastroenterol*. 2021 Apr 16;12(4):e00334. doi: 10.14309/ctg.0000000000000334. PMID: 33878048; PMCID: PMC8052092.

8: Ghoshal UC, Sahu S, Biswas SN, Singh P, Chaudhary M, Ghoshal U, Tiwari P, Rai S, Mishra SK. Care of inflammatory bowel disease patients during coronavirus disease-19 pandemic using digital health-care technology. *JGH Open*. 2021 Jan 29;5(5):535-41. doi: 10.1002/jgh3.12498. Epub ahead of print. PMID: 33821221; PMCID: PMC8013680.

9: Singh R, Wei L, Ghoshal UC. Micro-organic basis of functional gastrointestinal (GI) disorders: Role of microRNAs in GI pacemaking cells. *Indian J Gastroenterol*. 2021 Apr;40(2):102-110. doi: 10.1007/s12664-021-01159-7. PMID: 33738768.

10: Quek SXZ, Loo EXL, Demutska A, Chua CE, Kew GS, Wong S, Lau HX, Low EXS, Loh TL, Lung OS, Hung ECW, Rahman MM, Ghoshal UC, Wong SH, Cheung CKY, Syam AF, Tan N, Xiao Y, Liu JS, Lu F, Chen CL, Lee YY, Maralit RM, Kim YS, Oshima T, Miwa H, Pang J, Siah KTH. Impact of the coronavirus disease 2019 pandemic on irritable

bowel syndrome. *J Gastroenterol Hepatol.* 2021 Aug;36(8):2187-2197. doi: 10.1111/jgh.15466. Epub 2021 Mar 4. PMID: 33615534; PMCID: PMC8014795.

11: Ghoshal UC, Ghoshal U, Mathur A, Singh RK, Nath A, Garg A, Singh D, Singh S, Singh J, Pandey A, Rai S, Vasanth S, Dhiman RK. The Spectrum of Gastrointestinal Symptoms in Patients With Coronavirus Disease-19: Predictors, Relationship With Disease Severity, and Outcome. *Clin Transl Gastroenterol.* 2020 Dec;11(12):e00259. doi: 10.14309/ctg.0000000000000259. PMID: 33463978; PMCID: PMC7678797.

12: Ghoshal UC, Singh R, Rai S. Prevalence and risk factors of gastroesophageal reflux disease in a rural Indian population. *Indian J Gastroenterol.* 2021 Feb;40(1):56-64. doi: 10.1007/s12664-020-01135-7. Epub 2021 Jan 14. PMID: 33443640.

13: Mohindra S, Nayak HK, Mohindra N, Kumar A, Saraswat VA, Kumari N, Misra R, Ghoshal UC. Diagnostic yield of endoscopic ultrasound-guided fine-needle aspiration of tubercular lymphadenitis using combination of cytology and Gene Xpert Mycobacterium tuberculosis/rifampicin (MTB/RIF) genes. *Indian J Gastroenterol.* 2021 Jan 14. doi: 10.1007/s12664-020-01136-6. Epub ahead of print. PMID: 33443639.

14: Rai S, Kulkarni A, Ghoshal UC. Prevalence and risk factors for gastroesophageal reflux disease in the Indian population: A meta-analysis and meta-regression study. *Indian J Gastroenterol.* 2021 Apr;40(2):209-219. doi: 10.1007/s12664-020-01104-0. Epub 2021 Jan 6. PMID: 33409947.

15: Biswas SN, Kulkarni A, Jain M, Chaudhary N, Ghoshal UC. Intra-biliary rupture of hepatic hydatid cyst: An uncommon presentation of a common disease. *Indian J Gastroenterol.* 2021 Jan 2. doi: 10.1007/s12664-020-01130-y. Epub ahead of print. PMID: 33387305.

16: Yadlapati R, Kahrilas PJ, Fox MR, Bredenoord AJ, Prakash Gyawali C, Roman S, Babaei A, Mittal RK, Rommel N, Savarino E, Sifrim D, Smout A, Vaezi MF, Zerbib F, Akiyama J, Bhatia S, Bor S, Carlson DA, Chen JW, Cisternas D, Cock C, Coss-Adame E, de Bortoli N, Defilippi C, Fass R, Ghoshal UC, Gonlachanvit S, Hani A, Hebbard GS, Wook Jung K, Katz P, Katzka DA, Khan A, Kohn GP, Lazarescu A, Lengliner J, Mittal SK, Omari T, Park MI, Penagini R, Pohl D, Richter JE, Serra

J, Sweis R, Tack J, Tatum RP, Tutuian R, Vela MF, Wong RK, Wu JC, Xiao Y, Pandolfino JE. Esophageal motility disorders on high-resolution manometry: Chicago classification version 4.0<sup>©</sup>. *Neurogastroenterol Motil.* 2021 Jan;33(1):e14058. doi: 10.1111/nmo.14058. PMID: 33373111; PMCID: PMC8034247.

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19: Sood A, Ahuja V, Kedia S, Midha V, Mahajan R, Mehta V, Sudhakar R, Singh A, Kumar A, Puri AS, Tantry BV, Thapa BR, Goswami B, Behera BN, Ye BD, Bansal D, Desai D, Pai G, Yattoo GN, Makharia G, Wijewantha HS, Venkataraman J, Shenoy KT, Dwivedi M, Sahu MK, Bajaj M, Abdullah M, Singh N, Singh N, Abraham P, Khosla R, Tandon R, Misra SP, Nijhawan S, Sinha SK, Bopana S, Krishnaswamy S, Joshi S, Singh SP, Bhatia S, Gupta S, Bhatia S, Ghoshal UC. Second correction to: Diet and inflammatory bowel disease: The Asian Working Group guidelines. *Indian J Gastroenterol.* 2020 Dec;39(6):627-628. doi: 10.1007/s12664-020-01112-0. Erratum for: *Indian J Gastroenterol.* 2019 Jun;38(3):220-246. PMID: 33219987.

20: Singh R, Zogg H, Wei L, Bartlett A, Ghoshal UC, Rajender S, Ro S. Gut Microbial Dysbiosis in the Pathogenesis of Gastrointestinal Dysmotility and Metabolic Disorders. *J Neurogastroenterol Motil.* 2021 Jan 30;27(1):19-34. doi: 10.5056/jnm20149. PMID: 33166939; PMCID: PMC7786094.

21: Ghoshal UC, Rai S, Kulkarni A, Gupta A. Prediction of outcome of treatment of acute severe ulcerative colitis using principal component analysis and artificial intelligence. *JGH Open.* 2020 Apr 18;4(5):889-897. doi: 10.1002/jgh3.12342. PMID: 33102760; PMCID: PMC7578272.

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23: Goenka MK, Afzalpurkar S, Ghoshal UC, Guda N, Reddy N. Impact of COVID-19 on gastrointestinal endoscopy practice in India: a cross-sectional study. *Endosc Int Open*. 2020 Jul;8(7):E974-E979. doi: 10.1055/a-1181-8391. Epub 2020 Jun 18. PMID: 32617401; PMCID: PMC7302931.

24: Rahman MM, Ghoshal UC, Ragunath K, Jenkins G, Rahman M, Edwards C, Hasan M, Taylor-Robinson SD. Biomedical research in developing countries: Opportunities, methods, and challenges. *Indian J Gastroenterol*. 2020 Jun;39(3):292-302. doi: 10.1007/s12664-020-01056-5. Epub 2020 Jun 30. PMID: 32607962; PMCID: PMC7325473.

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27: Holtmann G, Quigley EM, Shah A, Camilleri M, Tan VP, Gwee KA, Sugano K, Sollano JD, Fock KM, Ghoshal UC, Chen M, Dignass A, Cohen H. "It ain't over ... till it's over!" Risk-mitigation strategies for patients with gastrointestinal diseases in the aftermath of the COVID-19 pandemic. *J Gastroenterol Hepatol*. 2020 Jul;35(7):1117-1123. doi: 10.1111/jgh.15133. Epub 2020 Jun 29. PMID: 32511791; PMCID: PMC7300751.

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Worldwide Prevalence and Burden of Functional Gastrointestinal Disorders, Results of Rome Foundation Global Study. *Gastroenterology*. 2021 Jan;160(1):99-114.e3. doi: 10.1053/j.gastro.2020.04.014. Epub 2020 Apr 12. PMID: 32294476.

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33: Sood A, Ahuja V, Kedia S, Midha V, Mahajan R, Mehta V, Sudhakar R, Singh A, Kumar A, Puri AS, Tantry BV, Thapa BR, Goswami B, Behera BN, Ye BD, Bansal D, Desai D, Pai G, Yattoo GN, Makharia G, Wijewantha HS, Venkataraman J, Shenoy KT, Dwivedi M, Sahu MK, Bajaj M, Abdullah M, Singh N, Singh N, Abraham P, Khosla R, Tandon R, Misra SP, Nijhawan S, Sinha SK, Bopana S, Krishnaswamy S, Joshi S, Singh SP, Bhatia S, Gupta S, Bhatia S, Ghoshal UC. Correction to: Diet and inflammatory bowel disease: The Asian Working Group guidelines. *Indian J Gastroenterol*. 2019 Dec;38(6):558-559. doi: 10.1007/s12664-019-01013-x. Erratum

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