



## **DR. KUSHAN SENGUPTA**

Consultant - Medical Gastroenterology

### **Qualification**

M.B.B.S | M.D Medicine | DrNB Gastroenterology

### **Overview**

Dr. Kushan Sengupta is a highly skilled Gastroenterologist and Hepatologist who practices at Manipal Hospitals Broadway, one of Kolkata's premier healthcare institutions. With years of experience in treating a wide range of gastrointestinal and liver-related conditions, Dr. Sengupta is known for his expertise, compassion, and patient-centred approach. His commitment to providing comprehensive care to his patients, combined with the advanced medical infrastructure of Manipal Hospitals, ensures that every patient receives the highest quality care tailored to their specific needs. He is the foremost Gastroenterologist and Hepatologist in Broadway. Dr. Sengupta specializes in gastroenterology and hepatology, two critical areas of medicine that focus on the diagnosis and treatment of disorders related to the digestive system and liver. His expertise spans a broad spectrum of conditions, from acid reflux and gastritis to more complex issues such as liver cirrhosis, hepatitis, pancreatitis, and gastrointestinal cancers. With an in-depth understanding of both medical and surgical treatments, Dr. Sengupta is equipped to handle the full range of digestive health issues that his patients face, offering

specialized treatment for each individual. His ability to diagnose and treat gastrointestinal and liver disorders effectively has earned him a reputation as one of the most trusted and respected specialists in Kolkata. One of the hallmarks of Dr. Sengupta's practice is his proficiency in performing advanced diagnostic procedures and therapeutic interventions. These procedures are integral in diagnosing complex gastrointestinal and liver conditions, allowing for early detection and tailored treatment. Dr. Sengupta uses state-of-the-art diagnostic tools available at Manipal Hospitals Broadway, enabling him to offer precise and accurate diagnoses. Some of the key diagnostic and therapeutic procedures performed by Dr. Sengupta include:

**Endoscopy and Colonoscopy:** These minimally invasive procedures are essential in diagnosing gastrointestinal conditions. An endoscopy allows Dr. Sengupta to examine the upper part of the digestive tract, while a colonoscopy provides a detailed view of the colon. Both procedures can help identify abnormalities such as ulcers, tumours, polyps, or inflammation, and may involve taking biopsies to further investigate potential issues. These procedures are particularly valuable in the early detection of gastrointestinal cancers and other serious digestive disorders.

**Liver Biopsy:** In cases where Dr. Sengupta suspects liver disease such as hepatitis, cirrhosis, or liver fibrosis, he may recommend a liver biopsy. This procedure involves taking a small sample of liver tissue for analysis, which helps determine the extent of damage to the liver and the most appropriate course of treatment. Dr. Sengupta's skill in performing liver biopsies ensures that his patients receive the most accurate diagnosis, which is essential for managing liver conditions effectively.

**Fibroscan:** A Fibroscan is a non-invasive test used to measure the stiffness of the liver, which can indicate the presence of liver fibrosis or cirrhosis. This test provides valuable insights into liver health without the need for a biopsy, making it an excellent option for patients who may not be suitable candidates for invasive procedures. Dr. Sengupta utilizes this tool to monitor liver health, guide treatment decisions, and track disease progression in

patients with chronic liver conditions. A Patient-Centered Approach to Care: At the heart of Dr. Sengupta's practice is his commitment to a patient-centred approach, where he places the needs and well-being of his patients at the forefront of every treatment decision. Dr. Sengupta recognizes that each patient is unique and that the best healthcare outcomes come from understanding the patient's concerns, lifestyle, and medical history. By actively involving his patients in their care, he ensures that they are well-informed and empowered to make decisions that align with their health goals. Dr. Sengupta places a strong emphasis on patient education, explaining complex medical concepts in a way that is easily understood. This approach helps patients feel more in control of their condition and treatment options, whether it is for managing chronic liver disease, undergoing gastrointestinal surgery, or making lifestyle changes for better digestive health. Dr. Sengupta's ability to communicate clearly and empathetically with patients helps to reduce anxiety and build trust, which is essential in creating a positive doctor-patient relationship. Whether managing long-term conditions like liver cirrhosis or guiding patients through acute digestive issues, Dr. Sengupta ensures that they receive the best care with a focus on their emotional and physical well-being. Manipal Hospitals Broadway offers a multidisciplinary approach to healthcare, which is particularly beneficial in treating complex conditions that involve multiple systems in the body. Dr. Sengupta collaborates closely with other specialists, such as surgeons, oncologists, and nutritionists, to ensure that his patients receive well-rounded care. This collaborative environment allows Dr. Sengupta to provide comprehensive treatment plans, addressing not only the direct gastrointestinal or liver issues but also any other factors that may be affecting a patient's overall health. For example, in the case of patients with liver cancer, Dr. Sengupta works closely with oncologists to determine the best course of treatment, whether it involves surgery, chemotherapy, or targeted therapies. Additionally, he works with nutritionists to ensure that patients receive the right dietary guidance,

which is critical in managing conditions like liver disease and gastrointestinal disorders. Manipal Hospitals Broadway is known for its state-of-the-art medical infrastructure, which includes the latest diagnostic tools, treatment facilities, and medical technologies. Dr. Sengupta's practice is supported by these advanced resources, which enable him to diagnose and treat complex gastrointestinal and liver conditions with a high degree of precision. The hospital's modern facilities enhance Dr. Sengupta's ability to offer cutting-edge treatments, ensuring that patients receive the best care available. From digital imaging for diagnostic purposes to minimally invasive procedures, the hospital is equipped with the latest technology to provide the most effective treatment options. This technology, combined with Dr. Sengupta's expertise, creates an optimal environment for patients seeking specialized care for gastrointestinal and liver conditions. In today's fast-paced world, accessibility to healthcare is crucial. Dr. Sengupta understands this need and offers online consultations to ensure that patients can access expert care, even if they are unable to visit the hospital in person. Through platforms like HexaHealth, patients can book virtual appointments with Dr. Sengupta from the comfort of their homes. Online consultations are especially useful for follow-up visits, chronic disease management, and second opinions, allowing Dr. Sengupta to continue monitoring and managing patients' conditions remotely. This service is particularly beneficial for patients who live in remote locations or have mobility issues, as it ensures that they can still receive the guidance and support they need without having to travel long distances. Dr. Sengupta's practice is built around the principle of comprehensive care. Whether patients are dealing with common digestive issues or more serious liver conditions, he provides a thorough and well-rounded approach to treatment. From prevention to treatment and rehabilitation, Dr. Sengupta addresses every aspect of his patients' gastrointestinal and liver health, ensuring that they receive optimal care at every stage of their healthcare journey. He also advocates for

preventive care by educating his patients about the importance of healthy eating, regular exercise, and stress management in maintaining good digestive and liver health. By addressing lifestyle factors, Dr. Sengupta helps prevent the onset of many common conditions, such as gastroesophageal reflux disease (GERD), irritable bowel syndrome (IBS), and non-alcoholic fatty liver disease (NAFLD) and ensures that his patients can live healthier lives. With his advanced expertise in gastroenterology and hepatology, Dr. Kushan Sengupta has earned a reputation as one of Kolkata's leading specialists in the field. His commitment to providing patient-centred care, combined with the cutting-edge technology available at Manipal Hospitals Broadway, ensures that his patients receive the best possible outcomes for their gastrointestinal and liver health. Whether through advanced diagnostic procedures, personalized treatment plans, or online consultations, Dr. Sengupta remains dedicated to improving the quality of life for his patients. His compassionate approach, combined with his extensive knowledge and experience, makes him a trusted healthcare provider for those seeking specialized care in gastroenterology and hepatology. Dr. Sengupta's specialization spans two critical branches of medicine: gastroenterology and hepatology. Gastroenterology involves the study and treatment of the digestive system, including diseases of the stomach, intestines, and oesophagus, while hepatology focuses specifically on the liver and its associated organs, including the pancreas and gallbladder. His knowledge and proficiency in these fields allow him to offer comprehensive care for a wide range of conditions, including but not limited to: Chronic liver diseases such as cirrhosis, fatty liver disease, hepatitis, Gastroesophageal reflux disease (GERD), Irritable bowel syndrome (IBS), Inflammatory bowel diseases (IBD) like Crohn's disease and ulcerative colitis, Pancreatitis, Gastrointestinal cancers, such as colon cancer and esophageal cancer. Dr. Sengupta takes a holistic approach to diagnosis and treatment, ensuring that his patients receive the most accurate information and tailored therapeutic interventions. His

expertise also extends to performing advanced procedures, including endoscopies, liver biopsies, and other diagnostic tests that help identify and monitor these complex conditions. Dr. Kushan Sengupta practices at Manipal Hospitals Broadway, a leading healthcare institution known for its advanced medical infrastructure, cutting-edge technologies, and multidisciplinary approach to patient care. The hospital offers an integrated approach to healthcare, ensuring that patients receive comprehensive, coordinated care across various specialities. This collaborative environment enables Dr. Sengupta to work closely with other specialists, such as surgeons, oncologists, and nutritionists, to ensure the best outcomes for his patients. Manipal Hospitals Broadway is equipped with state-of-the-art diagnostic tools, which enhance the accuracy of diagnoses, and provide the necessary information for effective treatment planning. The hospital's modern facilities, combined with Dr. Sengupta's expertise, create an optimal environment for patients seeking specialized care for their gastrointestinal and liver conditions. One of the reasons Dr. Sengupta is highly regarded in his field is his ability to perform advanced diagnostic procedures that are crucial for diagnosing complex conditions. These procedures include: Endoscopy and colonoscopy: These minimally invasive procedures allow Dr. Sengupta to examine the digestive tract, identify abnormalities such as ulcers, inflammation, or tumours, and take biopsies when needed. Liver biopsy: In cases of suspected liver disease, a liver biopsy may be performed to determine the extent of damage and diagnose liver conditions like hepatitis or cirrhosis. Fibroscan: This non-invasive test helps measure liver stiffness, an indicator of liver fibrosis or cirrhosis, providing valuable insights into the health of the liver. Dr. Sengupta's thorough approach ensures that every patient receives the most accurate diagnosis, allowing for timely and effective interventions. His expertise in hepatology is particularly valuable for patients suffering from liver diseases, where early detection and appropriate treatment can significantly improve long-term health outcomes. At the core of Dr.

Kushan Sengupta's practice is a strong commitment to patient education and support. He believes that understanding one's condition is crucial for managing it effectively. As part of his patient-centred approach, he takes the time to explain complex medical information in a way that is clear and easy to understand, helping his patients make informed decisions about their treatment options. Whether it is discussing the management of chronic liver disease or guiding patients through lifestyle modifications for better digestive health, Dr. Sengupta's communication and empathetic care ensure that patients feel heard, supported, and empowered. His approach extends beyond clinical treatment; he emphasizes the importance of a balanced diet, regular exercise, and stress management to optimize overall health, particularly in the context of gastrointestinal and liver function. Recognizing the importance of accessibility, Dr. Sengupta offers online consultations for patients who may not be able to visit Manipal Hospitals Broadway in person. Through platforms like HexaHealth, patients can book virtual appointments, allowing them to access expert care from the comfort of their homes. This service is especially beneficial for follow-up consultations, second opinions, and managing chronic conditions remotely. The online consultation option expands access to Dr. Sengupta's expertise, ensuring that patients in distant locations or those with mobility challenges can still receive high-quality medical guidance and ongoing support for their health concerns.

### **Fellowship & Membership**

- Member of the Indian Society of Gastroenterology (ISG)
- Member of the Indian Society of Gastroenterology, Tamil Nadu Chapter
- Fellowship in Transplant Hepatology from Dr. Rela Institute, Chennai, accredited by the Liver Transplant Society of India (LTSI)

## Field of Expertise

- Specialises in procedures such as Variceal Ligation, Polypectomy, Argon Plasma Coagulation, PEG Tube, Haemoclip Application, Glue Injection, Sclerotherapy, Adrenaline Injection, Band EMR, etc.
- Proficient in performing Endoscopic Retrograde Cholangiopancreatography (ERCP), particularly in procedures like Biliary and Pancreatic Stenting, Biliary Stone Extraction, Dilatation, Metallic Stenting, and Brush Cytology.
- Skilled in executing advanced endoscopic procedures like Endoscopic Ultrasound (EUS), including EUS-guided biopsy and cysto-gastrostomy, as well as Double Balloon Enteroscopy, which is an important diagnostic and therapeutic modality for small bowel disorders.
- Expert in conducting Manometry procedures, including Esophageal Manometry and Anorectal Manometry to assess and diagnose motility disorders like achalasia and faecal incontinence.
- Excels in Liver Transplant Evaluation and Management, performing comprehensive assessment and management from pre-operative care to post-operative recovery.

## Languages Spoken

- Bengali
- Hindi
- English
- Kannada

## Awards & Achievements

- Presented at the National Conference of the Association of Physicians of India (APICON) in Mumbai, 2017 on the topic titled 'Effect of Glycemic Control on Gall Bladder Ejection Fraction in Patients with Type 2 Diabetes Mellitus'.
- Presented at the American College of Endocrinology Annual Conference, 2017 on the topic titled 'Effect of Saroglitazar on Glycaemic and Lipid Parameters in Type 2 Diabetes Mellitus Patients', abstract number 1105.
- Presented at the Rajasthan Chapter of API Conference in Jodhpur, 2016 on the topic titled 'Interesting Case of Granulomatosis with Polyangiitis (Wegener's)'.
- Presented at the Asia Pacific Digestive Week in Kolkata, 2019 on the topic titled 'Comparison of CLIF C-ACLF, AARC, MELD Na, and APACHE II Scores in Predicting In-Hospital Mortality in Patients with Acute on Chronic Liver Disease'.
- Presented at the Asia Pacific Digestive Week in Kolkata, 2019 on the topic titled 'Characterisation of Patients with Reflux Disease Based on Intraluminal Impedance pH Monitoring'.
- Presented at the Tamil Nadu Chapter of the ISG Conference in Coimbatore, 2020, on the topic titled 'Interesting Case of Portal Hypertension Due to Melioidosis'.
- Presented at the Annual Conference of the Tamil Nadu Chapter of ISG, Chennai, 2022, on the topic titled 'Cholangioscopy-Guided Cannulation and Dilation of Post-Liver Transplant Biliary Anastomotic Stricture'.
- Moderated a Panel Discussion on 'Clinico-Pathological Meet on Interesting Cases Post Liver Transplant' at the Indian Society of Organ Transplant Meet, October 2022.
- Presented an oral paper at the Indian Society of Organ Transplant Meet, October 2022 on the topic titled 'Efficacy of COVID Vaccine in Liver Transplant Recipients'.
- Presented a poster at the Annual Conference of the Indian

Society of Gastroenterology, Bangalore, December 2023, on the topic titled 'Self-Expanding Metal Stents in the Management of Walled-Off Pancreatic Necrosis – Single Centre Experience'.

- Presented a video at ENDOCON, New Delhi, April 2024, on the topic titled 'PTBD-Assisted Rendezvous-Guided Double Balloon Enteroscopy-Assisted ERCP'.

### **Talks & Publications**

- Bhandari S, Gupta V, Sengupta K, et al. Avascular Necrosis of Bone with Hemiparesis: A Rare Presentation of Primary Antiphospholipid Antibody Syndrome. Intern J Adv Med. 2017;4:850-3.
- Bhandari S, Sengupta K, et al. Update on Zika Virus. Rajasthan Med J. 2016.
- Bhandari S, Sengupta K, et al. Effects of Saroglitazar on Glycaemic & Lipid Parameters in Type 2 Diabetes Patients. Endocrine Practice. 2017;23:291.
- Sengupta K, Paramasivan P. Probiotics and Biofilms. In 'Biofilms in Human Diseases: Treatment and Control'. Springer, 2019.
- Sengupta K. GERD and H. Pylori. In the Book on 'GERD', authored by Dr. Avinash Balekuduru and Dr. Gourdas Choudhari.
- Natarajan K, Sengupta K, et al. Postendoscopy Bilateral Parotid Enlargement. Gastroenterol Hepatol Endosc Practice. 2021;1(4):174.
- Veerankutty FH, Sengupta K, et al. Post-COVID-19 Cholangiopathy: Current Understanding and Management Options. World J Gastrointest Surg. 2023;15(5):788.
- Wadhwa RP, Ravindranath A, Sengupta K, et al. Diagnostic Accuracy of AI in the Classification of Colonic Polyps – A real-world study. Am Coll Gastroenterol J. 2023;118(10S)

- Sengupta K, Bhayani P, Parameswaran SA. Liver Abscess due to Migrated Foreign Body. ACG Case Rep J. 2024;11(3)
- Ravindranath A, Wadhwa R, Sengupta K. Butterflies in the Esophagus. J Pediatr Gastroenterol Nutr. 2024. doi: 10.1002/jpn3.12338.
- Ravindranath A, Singh S, Wadhwa R, Sengupta K, et al. Recurrent Liver Failure due to Wolcott-Rallison Syndrome. Indian J Pediatr. 2024.