

DR. SAGNIK RAY

Consultant - Surgical Oncologist

Qualification

MBBS | MS (General Surgery) | MCh (Surgical Oncology)

Overview

Dr. Sagnik Ray is a highly trained and dedicated Surgical Oncologist whose clinical work reflects a blend of advanced surgical training, evidence-based oncology, and compassionate patient care. Over the years, he has developed a strong reputation for managing complex cancers of the thoracic cavity, upper gastrointestinal tract, hepatopancreaticobiliary system, colorectal region, peritoneum, breast, and soft tissues. His practice integrates high-precision cancer surgery with a multidisciplinary approach, ensuring that patients receive comprehensive, holistic, and stage-appropriate intervention at every phase of their cancer journey. He currently practices at Manipal Hospital Broadway in Salt Lake, Kolkata, where he provides specialised surgical oncology care to patients across Eastern India.Dr. Ray completed his foundational training in medicine with an MBBS, followed by an MS in General Surgery, which enabled him to gain robust operative exposure across a wide spectrum of surgical disciplines. His growing interest in oncology led him to pursue an MCh in Surgical Oncology — the highest super-specialty qualification in cancer surgery in India. His academic and professional pursuit in this field further

evolved through his selection to the prestigious fellowship in Thoracic and Upper Gastrointestinal Oncosurgery at Tata Medical Centre (Mahamana Pandit Madan Mohan Malviya Cancer Centre, Varanasi), a center known for its advanced oncological research and high-volume complex cancer surgeries. His fellowship training offered a focused platform to refine surgical techniques for cancers such as lung cancer, esophageal cancer, mediastinal tumors, gastric cancers, and gastroesophageal junction tumors. In these disease areas, surgical decision-making is particularly intricate because of the involvement of vital structures, the anatomical depth of the thoracic cavity, and the physiological demands placed on patients undergoing major surgeries. This exposure positioned Dr. Ray as a refined thoracic and upper GI onco-surgeon capable of handling both elective and challenging oncological cases requiring multidisciplinary planning, peri-operative optimization, and careful long-term monitoring. Beyond thoracic and upper GI oncology, he has also developed expertise in hepatopancreaticobiliary (HPB) cancers involving organs such as the liver, gallbladder, and pancreas. Cancers in this region are often diagnosed at later stages due to subtle early symptoms, making surgical oncology a critical determinant of survival and quality of life. Dr. Ray’s work in this field includes the management of gallbladder cancer (a relatively common malignancy in eastern India), pancreatic cancer, and primary as well as metastatic liver cancers. His competence extends to performing complex resections, managing biliary obstruction, integrating neoadjuvant therapy when indicated, and collaborating with medical oncologists and interventional radiologists for multi-modality care. He also routinely manages colorectal cancers, gynecological cancers, and peritoneal surface malignancies. A notable aspect of his training includes exposure to and involvement in Hyperthermic Intraperitoneal Chemotherapy (HIPEC) — a specialized procedure used in select peritoneal malignancies where heated chemotherapeutic agents are infused into the abdominal cavity after cytoreductive surgery. HIPEC requires precise oncological

judgment, operative efficiency, and coordinated teamwork, making it a benchmark for centers that offer high-end procedural oncology. Another significant area of his expertise is breast cancer surgery, where he contributes to surgical decision-making related to breast conservation, mastectomy, axillary staging, reconstruction pathways, and adjuvant therapy coordination. Patient education, compliance, emotional support, and survivorship planning are integral to breast oncology, and Dr. Ray's communication skills — strengthened by his fluency in Bengali, Hindi, English, and working knowledge of Tamil — help bridge the psychological and cultural gaps that cancer patients often experience. His involvement in the management of soft tissue sarcomas and head & neck cancers further expands his clinical spectrum. Sarcomas are rare, biologically diverse, and require individualized treatment strategies. Their management hinges on multidisciplinary tumor board discussions involving radiology, pathology, reconstructive surgery, medical oncology, and physiotherapy. Similarly, head & neck cancers — often associated with tobacco exposure in India — require precision surgery, functional preservation (especially speech and swallowing), and meticulous reconstructive planning when necessary. Dr. Ray's experience allows him to contribute significantly to complex decision-making as well as definitive surgical management in these domains. Alongside radical cancer surgery, Dr. Ray also contributes to palliative oncological care. Contrary to common perception, palliative oncology is not merely end-of-life care but an active clinical discipline aimed at relieving cancer-related symptoms such as pain, obstruction, bleeding, nutritional impairment, and organ dysfunction. Palliative surgical interventions can reduce distress, improve comfort, facilitate feeding, and support medical therapy. Dr. Ray's experience reflects a nuanced understanding of balancing curative intent with quality-of-life considerations in patients with advanced disease. Dr. Ray's clinical philosophy is firmly rooted in multidisciplinary oncology — a paradigm in which cancer management is not defined by a single specialty but

by an integrated ecosystem of surgeons, medical oncologists, radiation oncologists, radiologists, pathologists, and supportive care teams. This approach ensures that every patient's treatment plan is supported by tumor board discussions, evidence-based guidelines, and international oncology protocols, thus optimizing both survival outcomes and life after treatment. His academic contribution includes co-authoring scientific literature, such as the reported case of posterior mediastinal arterial malformation published in the Journal of Cardiovascular and Thoracic Research (2021), highlighting his interest in rare thoracic anomalies and contributing to the shared knowledge pool of surgical academia. dr-sagnik-ray-surgical-oncologi... His communication skills, cultural sensitivity, and linguistic fluency make him an accessible and relatable clinician to diverse patient populations. In a metropolitan setting like Kolkata, where patients from different linguistic, socio-economic, and cultural backgrounds seek cancer care, these attributes help reduce fear, improve adherence, and create a more supportive therapeutic environment. The importance of communication in oncology cannot be overstated: conveying diagnosis, discussing treatment options, addressing risks, exploring prognosis, and supporting families are central pillars of cancer practice. In addition to direct clinical care, surgical oncologists like Dr. Ray often contribute to broader public health efforts such as screening awareness, early detection advocacy, cancer prevention programs, and survivorship initiatives. Given the rising cancer burden in India — driven by aging demographics, lifestyle risk factors, environmental exposure, and changing epidemiology — the role of trained surgical oncologists is critical in bridging gaps across tertiary care delivery, community outreach, and oncology education. Today, Dr. Sagnik Ray practices as a Consultant Surgical Oncologist at Manipal Hospital Broadway in Salt Lake, Kolkata, a center known for its advanced surgical infrastructure, multidisciplinary tumor boards, critical care support, and modern radiotherapy and chemotherapy services. His presence strengthens the hospital's surgical oncology capabilities and expands the range of

specialized cancer treatments available to patients in the region. Through his work, training, and patient-centered approach, Dr. Ray embodies contemporary cancer care: technology-enabled, evidence-driven, empathetic, and multidisciplinary. His career continues to evolve at the intersection of clinical precision, scientific curiosity, and humane communication — a combination essential for advancing the standards of oncological surgery in India.

Fellowship & Membership

- Fellowship in Thoracic and Upper GI Oncosurgery from Tata Medical Centre, MPMMCC, Varanasi
- Member of Indian Association of Surgical Oncology (IASO)-Since 2021

Field of Expertise

- Specialised in treating thoracic and upper gastrointestinal cancers such as lung cancer, oesophagal cancer, mediastinal tumour, stomach, and gastroesophageal junction tumours.
- Expertise in palliative care, providing compassionate and comprehensive care for patients with hepatobiliary cancer, colorectal cancer, and gynaecological and peritoneal surface malignancy with HIPEC.
- Dr. Ray’s area of expertise lies in Hepatobiliary cancer like gallbladder, Liver, and Pancreas.
- Efficient in treating soft tissue sarcoma and breast cancer by using a multidisciplinary approach and advanced interventional procedures to alleviate symptoms and improve quality of life.

Languages Spoken

- Hindi
- English
- Bengali
- Tamil

Talks & Publications

- Pavneet Kohli, Prasanth Penumadu, Sagnik Ray, Rajesh Nachiappa Ganesh. Posterior mediastinal arterial malformation: A rare catch. J Cardiovasc Thorac Res, 2021, doi: 10.34172/jcvtr.2021.11.