

DR. SAGAR SEN

Clinical Lead & Senior Consultant - Surgical Oncology

Qualification

MBBS | DNB (General Surgery) | DrNB (Surgical Oncology) | FMAS

Overview

Dr. Sagar Sen is a clinical lead & senior consultant at the department of Surgical Oncology at Manipal Hospital Dhakuria, Kolkata. With a distinguished academic background of MBBS, DNB (General Surgery), DrNB (Surgical Oncology) and FMAS, Dr. Sagar Sen expertises in comprehensive cancer treatment through surgical modalities while prioritising a multidisciplinary approach and patient-centric care. Over the course of his practice of over 15 years, including nearly a decade of post-super speciality expertise at a premier regional cancer centre, Dr. Sagar Sen has remained associated with reputed medical establishments that provided him with hands-on training and honed his expertise in the discipline of surgical oncology. Prioritising multidisciplinary treatment planning, Dr. Sagar Sen has expertise in GI and HBP oncology, thoracic oncology, robotic and laparoscopic oncosurgery, and VATS. Beyond his clinical acumen, Dr. Sagar Sen has contributed immensely towards advancements in the medical field with his numerous publications across both national and international journals, and has presented at various esteemed conferences. His passion towards continued education has continued to further his

knowledge, and actively trained experts of the future. With an approach based in clinical research, compassion and a patient-centric approach, Dr. Sagar Sen is a trusted name among patients requiring advanced cancer care.

Fellowship & Membership

- INTUITIVE Robotic surgery Fellowship 2012-2013- Under Dr Jagdishwar Goud.
- Robotic Surgery Certification - SSI MANTRA 2025.
- Fellowship in Minimal Access Surgery (FMAS) - AMASI, 2019.
- Indian Association of Surgical Oncology (IASO).
- Association of Minimal Access Surgeons of India (AMASI).
- ISPSM-Indian Society of Peritoneal Surface Malignancy.
- ASI
- IMA

Field of Expertise

- Minimally Invasive Onco-surgery (MIS)
- Advanced Laparoscopic and Thoracoscopic (VATS)
- Gastrointestinal, thoracic, and urological malignancies
- Robotic Surgical Systems
- Certified console surgeon across DaVinci and SSI - MANTRA platforms
- Robotic esophagectomies
- Colorectal procedures
- Radical cystectomies
- Radical hysterectomies
- Advanced Solid Tumour Techniques
- Cytoreductive Surgery (CRS)
- Hyperthermic Intraperitoneal Chemotherapy (HIPEC)

management
- Head, Neck & Soft Tissue Oncology
- Maxillectomies
- Laryngopharyngo-esophagectomies
- Thyroidectomies
- Parotidectomies
- Advanced breast conservation therapies
- Clinical Operations & Healthcare Leadership
- Multidisciplinary Tumour Board organisation
- Implementation of Enhanced Recovery After Surgery (ERAS) protocols
- Quality audits
- PG medical curriculum management

Languages Spoken

- English
- Bengali
- Hindi

Talks & Publications

- Thakur, D., Sengupta, D., Kar, S. et al. Aurora Kinase A inhibitor alisertib failed to exert its efficacy on TNBC cells due to consequential enrichment of polyploid giant cancer cells (PGCCs). Discov Onc 16, 2043 (2025). https://doi.org/10.1007/s12672-025-03825-0.
- Nandwani, M., Mandal, R., Vernekar, M. et al. Sentinel Lymph Node Biopsy in Endometrial Feasibility https://doi.org/10.1007/s13224-025-02266-7 Study. J Obstet Gynecol India (2025).
- Thakur, Debanjanl; Kar, Shinjinil; Sengupta, Debomital;

Chakrabarti, Jayanta2; Sen, Sagar2;Roy, Arindam2; Mahapatra, Elizabethl; Das, Salinil; Mukherjee, Sutapal. Glucocorticoid Receptor Interacts with B-cell Lymphoma 2 for Dominant Aggressiveness of Breast Cancer: An Observational Study. Journal of Current Oncological Trends 1(1):p 31-40, Jan-Jun 2024. | DOI: 10.4103/JCOT.JCOT_6_234.

- Roy R, Chatterjee N, Khan MS, Sultana F, Roy A, Naskar S, Guha R, Sen S, Chakrabarti J, Chatterjee BP, Panda CK, Dutta S. High prevalence of CD44 and its ligand low molecular weight hyaluronan in plasma of HNSCC patients: clinical significance. Mol Biol Rep. 2024 Jan 22;51(1):157. doi: 10.1007/s11033-023-08950-z. PMID: 38252332.
- Sengupta, D .; Thakur, D .; Mahapatra, E .; Das, S .; Sen, S .; Roy, A .; Mukherjee, S. Oct4/Sox2 positive breast cancer stem cell-like cells can be detected and targeted by including AURKA and Vimentin in the combinatorial marker profile. Preprints https://doi.org/10.20944/preprints202310.0364.vl.
- Vernekar M, Sen S, Chatterjee P, et al. EP316/#618 Impact of peritonectomy on morbidity and mortality and oncological outcome during cytoreductive surgery (CRS) for epithelial ovarian cancer. International Journal of Gynecologic Cancer 2023;33:A208.
- Saha D, Mitra D, Alam N, Sen S, Mustafi SM, Majumder PK, Majumder B, Murmu N. Lupeol and Paclitaxel cooperate in hindering hypoxia-induced vasculogenic mimicry via suppression of HIF-la-EphA2-Laminin-5y2 network in human oral cancer. J Cell Commun Signal. 2023 Sep; 17(3):591-608. doi: 10.1007/s12079-022-00693-z. Epub 2022 Sep 5. PMID: 36063341; PMCID: PMC10409936.
- Saha D, Mitra D, Alam N, Sen S, Mitra Mustafi S, Mandal S, Majumder B, Murmu N.
- Orchestrated expression of vasculogenic mimicry and laminin-5y2 is an independent prognostic marker in oral

squamous cell carcinoma. Int J Exp Pathol. 2022 Apr;103(2):54-64. Doi: 10.1111/iep.12430. Epub 2022 Feb 16. PMID: 35170826; PMCID: PMC8961501.

- Sen, S.; Bhattacharjee, S .; Ghosh, I .; Thakkar, D .; Hajra, S .; Dasgupta, P. Normotensive of Incidental Pheochromocytoma: Report of a Rare Case With a Brief Literature Review. Mìžnarodnij endokrinologìčnij žurnal 2020, 16, 432-437.
- Mitra D, Bhattacharyya S, Alam N, Sen S, Mitra S, Mandal S, Vignesh S, Majumder B, Murmu N. Phosphorylation of EphA2 receptor and vasculogenic mimicry is an indicator of poor prognosis in invasive carcinoma of the breast. Breast Cancer Res Treat. 2020 Jan; 179(2):359-370. Doi: 10.1007/s10549-019-05482-8. Epub 2019 Nov 4. PMID: 31686261.
- Sen S, Gajagowni JG, Pandey JK, Dasgupta P, Sahni A, Gupta S, Mp S, Ravi B. Effectiveness of pectoralis major myocutaneous flap in the surgical management of oral cancer: A retrospective study.J Stomatol Oral Maxillofac Surg. 2019 Feb; 120(1):21-27.
- 10.1016/j.jormas.2018.08.003. Epub 2018 Aug 17. PMID: 30125737.
- Dasgupta P, Sen S, Srikanth HS, Kamath G. Sella. Turcica Bridging As A Predictor Of Class II Malocclusion: An Investigative Study. J Stomatol Oral Maxillofac Surg. 2018 Dec;119(6):482-485. doi: 10.1016/j.jormas.2018.05.005. Epub 2018 May 21. PMID: 29792938.
- Sen S, Dasgupta P. Kamath G, Srikanth HS. Parathormone-related protein (peptide): A novel prognostic, diagnostic and therapeutic marker in Head & Neck cancer. J Stomatol Oral Maxillofac Surg. 2018 Feb;119(1):33-36. doi: 10.1016/j.jormas.2017.10.016. Epub 2017 Nov 3. PMID: 29081380.