
Dr Sanjit Kumar Agrawal
Senior Consultant
Department Of Breast Oncosurgery
Tata Medical Center, Kolkata
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ACADEMIC QUALIFICATIONS:

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1. MBBS, MS (Patna Medical College, 2006-9)
 2. Fellowship in Surgical Oncology, TMC, Kolkata (2012 - 14)
 3. Fellowship in oncoplastic breast surgery, TMC, Kolkata (2014 - 15)
 4. European breast surgery qualification, UEMS, Europe (2015)
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INTERNATIONAL TRAINING DETAILS:

1. Fellowship in Breast Oncosurgery (UICC): Helsinki University Central Hospital, Finland
2. Fellowship in Breast Oncosurgery (IACA): Breast services, Cleveland Clinic, USA
3. Observership in Breast Oncosurgery: Breast Unit, Champalimaud Clinical Center, Portugal
4. Observership in Reconstructive Breast Surgery: Memorial Sloan Kettering Cancer Center, USA
5. Certificate in Applied Biostatistics: (The Harvard Clinical and Translational Research Center)

EMPLOYMENT DETAILS

Position	From	Till	Affiliation
Senior Consultant (Breast Oncosurgery)	Jun 1 2015	working	Tata Medical Center, Kolkata
Registrar (General Surgery)	Jul 1 2010	Mar 1 2012	Tata Main Hospital, Jamshedpur.
Senior Registrar (Neurosurgery)	Nov 5 2009	May 1 2010	Safdarjung Hospital, New Delhi
Senior Registrar (General Surgery)	Jun 12 2009	Nov 4 2009	Sardar Ballabh Bhai Patel Hospital, New Delhi

PERSONAL STATEMENT:

I underwent surgical training for three years at Patna Medical College, Patna, from 2006 to 2009. During my subsequent higher training, I worked mainly in Safdarjung Hospital, New Delhi and Tata Main Hospital, Jamshedpur. After three years of general surgery residency, I joined Fellowship in surgical oncology program with a particular interest in breast onco surgery at Tata Medical Center, Kolkata. For fine-tuning my breast cancer surgical skills, I have worked in Apex international cancer centres (Helsinki central university Hospital, Finland, Champalimaud Clinical Center, Portugal, Cleveland Clinic, Ohio and Memorial Sloan Kettering cancer centre, Newyork). The European board of breast oncosurgery awarded me a fellowship in October 2015. I serve as an examiner for European Breast Surgery Qualification. I have been working as a Senior Consultant in the department of breast oncosurgery in Tata Medical Centre, Kolkata, a tertiary care cancer centre in north India, since June 2015. I have performed over 3000 breast cancer surgeries in the last ten years, mainly oncoplastic surgeries, sentinel lymph node biopsy, chest wall perforator flaps, therapeutic mastoplasty and implant-based breast reconstruction, breast cancer research and health economics. I have > 40 published articles in indexed journals and worked on > 25 breast cancer research projects.

Axillary staging by SLNB in developing countries: Challenges and solutions

My **main research focus** is offering SLNB to all eligible patients in LMIC. I have published six articles (<https://www.ncbi.nlm.nih.gov/sites/myncbi/1RWSayhWK-wAl/collections/62077579/public/>) in the last eight years focusing on Sentinel Lymph Node Biopsy (SLNB) in breast cancer in developing countries. In summary, **I have answered the following research questions :**

- a. Defining quality indicator of SLNB procedure in the non-screened breast cancer population of LMIC
- b. Axillary management practice survey of surgeons from India and identifying barriers to not offering SLNB in eligible BC patients
- c. Feasibility of SLNB post lumpectomy diagnosed BC patients: prospective interventional study for a unique challenge in LMIC
- d. ICG dye is a low-cost and less resource-intensive alternative compared to the radioactive dye for SLNB in LMIC
- e. Application of Z0011 study in non-screened breast cancer population of LMIC
- f. Finally Outcome of 1500 patients of SLNB: One of the most critical data from Southeast Asia

MEMBERSHIP

1. European School of Oncology (ESCO)
2. Association of surgeon of India (ASI)
3. Association of breast surgeons of India (ABSI)
4. Union International Cancer Control (UICC)
5. European Society of Medical Oncology (ESMO)

AWARDS

1. MBBS (Gold medalist).
2. Best poster award in ABSICON 2014.
3. Case presentation in “ESO-ESSO Master class in Breast Oncosurgery, Eramingten, Switzerland (Breast research fund grant), 2014.
4. Wellcome Trust bursaries award for presentation of abstract in National Cancer Research Institute conference (NCRI), Liverpool, United Kingdom, 2014.
5. Union International Cancer Control (UICC) ICRETT award for observership in breast oncosurgery in University Central Hospital, Helsinki, Finland, 2015.
6. European Society of Surgical Oncology (ESSO) travel award to present a poster in ECC0, Vienna (Austria) 2015.
7. European Society of Medical Oncology (ESMO) travel award to present a poster in BCY 3, Lugano, Switzerland 2016
8. Travel award for oral presentation in Advanced International Breast Cancer Congress (AIBCC), Padova, Italy 2016.
9. Indo American Cancer Association fellowship for 1-month observership at Cleveland breast clinic, Ohio, United States, 2017.
10. Mastermind winner for the year 2017 from the European Society of Oncology.
11. Australia and Asia Pacific Clinical Oncology Research Development (ACORD) Workshop – 2018 - Fellowship Grant.
12. European Molecular Biology Organization Research Leadership Course – March 2019 - Educational Grant.

13. WHO-IARC China ASEAN cancer prevention and control fellowship – November 2019 – Educational grant
14. Examiner for European Breast Surgery Qualification: Nov 2021

PUBLICATIONS (40 articles, 3 book Chapter)

<https://www.ncbi.nlm.nih.gov/sites/myncbi/1RWSayhWK-wAl/bibliography/public/>

First/Last/ Corresponding Author publications

(<https://www.ncbi.nlm.nih.gov/sites/myncbi/1RWSayhWK-wAl/collections/63031534/public/>)

1. Patel, Dimple Dilipbhai; Sharma, Abhishek; Ahmed, Rosina; **Agarwal, Sanjit**. Study of lymphatic drainage patterns in patients undergoing SLNB with fluorescent dye using ICG in breast cancer patients—LYPIC. *Breast Global Journal* 1(2):p 65-71, April-June 2023. | DOI: 10.4103/bgj.bgj_5_23
2. **Agrawal Sanjit Kumar**, Patel Dimple, Shenoy Pradyumn, Ahmed Rosina, Arun Indu, Chatterjee Sanjoy (2023) Oncologic safety of breast conservation following NACT in women with locally advanced breast cancer *ecancer* 17 1554
3. **Kumar Agrawal Sanjit**, Sharma Himanshu, Priya Noopur, Saji Anoop P, Denchu Phom Hamyung, Sharma Abhishek, Arun Indu, Das Jayanta, Chandra Aditi, Ahmed Rosina (2022) Diagnostic performance and survival outcome following sentinel lymph node biopsy in breast cancer patients from a tertiary cancer centre in India *ecancer* 16 1398
4. **Agrawal Sanjit Kumar**, Ranjan Piyush, Priya Noopur, Nigam Shashank, Chatterjee Sumohan (2022) Teaching breast cancer surgery in India: challenges and opportunities *ecancer* 16 1403
5. **Agrawal, S. K.**, Kewlani, V., Priya, N., Sharma, A., Ghosh, J., Chatterjee, S., & Ahmed, R. (2021). Effect of non-sentinel metastasis on adjuvant treatment decisions and survival in Z0011 eligible non-screened detected breast cancer population. *Ecancermedicalscience*, 15, 1324. <https://doi.org/10.3332/ecancer.2021.1324>
6. **Agrawal, S.K.**, Priya, N., Agarwal, P., Sharma, A., Datta, S.S., Deo, S.V.S., Ahmed, R., 2021. Trends in Axillary Management of Early Breast Cancer: a Questionnaire-Based Pattern of Practice Survey for India. *Indian J Surg Oncol*. <https://doi.org/10.1007/s13193-021-01334-4>
7. **Agrawal SK**, Hashlamoun I, Karki B, Sharma A, Arun I, Ahmed R. Diagnostic Performance of Indocyanine Green Plus Methylene Blue Versus Radioisotope Plus Methylene Blue Dye Method for Sentinel Lymph Node Biopsy in Node-Negative Early Breast Cancer. *JCO Glob Oncol*. 2020 Jul;6:1225-1231. doi: 10.1200/GO.20.00165 ([HI INDEX](#))
8. **Agrawal SK**, Shakya SR, Nigam S, Sharma A, Datta SS, Ahmed R. Chest wall perforator flaps in partial breast reconstruction after breast conservation surgery: an additional oncoplastic surgical option. *Ecancermedicalscience*. 2020;14:1073. Published 2020 Jul 17. doi:10.3332/ecancer.2020.1073 ([HI INDEX](#))
9. **Agrawal SK**, Shenoy SS, Nalawade N, Datta SS, Roy S, et al. Quality Indicators for Sentinel Lymph Node Biopsy in Breast Cancer: Applicability and Clinical Relevance in a Non-screened Population. *Indian J Surg Oncol*. 2018 Sep;9(3):312-317. PubMed PMID: 30287989; PubMed Central PMCID: PMC6154378
10. **Agrawal SK**, Bansawal L, Arun I, Datta SS, Chatterjee S, Ahmed R. Sentinel Lymph Node Biopsy After Initial Lumpectomy (SNAIL Study)-a Prospective Validation Study. *Indian J Surg Oncol*. 2019 Jun;10(2):350-356. doi: 10.1007/s13193-018-0861-4. Epub 2018 Dec 18. PubMed PMID: 31168261; PubMed Central PMCID: PMC6527719.
11. **Agrawal SK**, Chatterjee S, Arun I, Ahmed R. Discordance in Immunohistochemical Status of Breast Cancer Post Neoadjuvant Chemotherapy. *Indian J Surg Oncol*. 2017 Jun;8(2):245-246. PubMed PMID: 28546731; PubMed Central PMCID: PMC5427038.

12. **Agrawal S**, Banswal L, Saha A, Arun I, Datta SS, et al. Progesterone Receptors, Pathological Complete Response and Early Outcome for Locally Advanced Breast Cancer - a Single Centre Study (PPLB - 01). *Indian J Surg Oncol.* 2016 Dec;7(4):397-406. PubMed PMID: 27872526; PubMed Central PMCID: PMC5097757.

Other Publications

1. Datta Soumitra Shankar, Agrawal Sanjit, Jain Prateek, Kumar Jeevan, Bhattacharjee Arnab, Bansal Ayush, Mahajan Shagun, Podder Dibakar, Manikantan Kapila, Kumar Gaurav, Samanta Bidisha, Sarkar Sohini, Ghose Soumita, Ghosal Niladri, Guevera Mary, Burke Danny (2023) Conference report: Introducing oncology to undergraduate medical and allied health sciences students: reflections from 2nd ecancer TMC Oncology Congress 2023 at Kolkata, India *ECANCER* 17 1647
2. Gupta R, Das J, Sinha S, Agarwal S, Sharma A, Ahmed R, et al. Detection of Axillary Lymph Node Involvement in Early-Stage Breast Cancer: Comparison between Staging 18F-2-Fluoro-2-Deoxy-D-Glucose Positron Emission Tomography–Computed Tomography Scans, Mammography, and Sentinel Lymph Node Biopsy. *Indian J Nucl Med.* 2023 Sep;38(3):249.
3. Mukherjee, A. S., Bidisha; Sharma, Varuna; Shrestha, Aagon Krishna; Chattopadhyay, Shreshtha; Bhowmick, Chitrakleha; Ghosh, Joydeep; Ganguly, Sandip; Agrawal, Sanjit Kumar; Datta, Soumitra Shankar. (2023). When Do Patients with Breast Cancer Seek Help from Psycho-oncology Services? A 3-Year Retrospective Study from India. *Indian Journal of Medical and Paediatric Oncology, EFirst.* <https://doi.org/10.1055/s-0043-1768048>
4. Chatterjee, S., Chakrabarty, S., Santosham, R., Saha, A., Mallick, I., Arunsingh, M., Bhattacharya, T., Achari, R., Agrawal, S., Ahmed, R., Das, J., Mahata, A., Mandal, S., & Ray, S. (2023). Alleviating morbidity from locally advanced breast cancer using a practical and short radiotherapy regime: Results of the HYPOR palliative studies. *International Journal of Radiation Oncology*Biological*Physics.* <https://doi.org/10.1016/j.ijrobp.2023.02.008>
5. Glasbey JC, Abbott TE, Ademuyiwa A, Adisa A, AlAmeer E, Alshryda S, et al. Elective surgery system strengthening: development, measurement, and validation of the surgical preparedness index across 1632 hospitals in 119 countries. *The Lancet.* 2022 Nov 5;400(10363):1607–17.
6. Ganguly Sandip, Mukherjee Navonil, Mandal Sayan, Roy Somnath, Agarwal Sanjit, Biswas Bivas, Ghosh Joydeep (2022) Efficacy of cyclin-dependent kinase 4/6 inhibitors in patients with metastatic hormone positive breast cancer: a single institutional study from India *ecancer* 16 1450
7. Sharma A, Mahajan S, Agrawal SK, Ahmed R, Dey D. Assessment of skin response in T4b breast carcinoma patients post-neoadjuvant chemotherapy. *Ecancermedicalsecience.* 2021 Jul 28;15:1271.
8. Arun I, Venkatesh S, Ahmed R, Kumar Agrawal S, Leung SCY. Reliability of Ki67 visual scoring app compared to eyeball estimate and digital image analysis and its prognostic significance in hormone receptor positive breast cancer. *APMIS.* 2021 May 30. doi: 10.1111/apm.13156. Epub ahead of print. PMID: 34053140.
9. Ghosh, J., Chatterjee, M., Ganguly, S., Datta, A., Biswas, B., Mukherjee, G., Agarwal, S., Ahmed, R., Chatterjee, S., Dabkara, D., 2021. PDL1 expression and its correlation with outcomes in non-metastatic triple-negative breast cancer (TNBC) [WWW Document]. <https://doi.org/10.3332/ecancer.2021.1217>
10. COVIDSurg Collaborative, G.C., 2021. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. *British Journal of Surgery.* <https://doi.org/10.1093/bjs/znab101>
11. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study, n.d. . *Anaesthesia* n/a. <https://doi.org/10.1111/anae.15458>
12. Bakkach J, Pellegrino B, Elghazawy H, Novosad O, Agrawal S, Bennani Mechita M. Current overview and special considerations for second breast cancer in Hodgkin lymphoma survivors. *Critical Reviews in Oncology/Hematology.* 2021 Jan 1;157:103175.
13. Khemka, R., Chakraborty, A., Agrawal, S., Ahmed, R., 2019. Is COMBIPECS the answer to perioperative analgesia for breast surgery? A double blinded randomized controlled trial. *Indian J Anaesth* 63, 530–536. https://doi.org/10.4103/ija.IJA_222_19
14. Datta SS, Ghosal N, Daruvala R, Chakraborty S, Shrimali RK, van Zanten C, Parry J, Agrawal S, Atreya S, Sinha S, Chatterjee S, Gollins S. How do clinicians rate patient's performance status using the ECOG performance scale? A mixed-methods exploration of variability in decision-making in

- oncology. *Ecancermedicalsecience*. 2019;13:913. doi: 10.3332/ecancer.2019.913. eCollection 2019. PubMed PMID: 31123496; PubMed Central PMCID: PMC6467460.
15. Chatterjee S, Chakraborty S, Moses A, Nallathambi C, Mahata A, et al. Resource requirements and reduction in cardiac mortality from deep inspiration breath hold (DIBH) radiation therapy for left sided breast cancer patients: A prospective service development analysis. *Pract Radiat Oncol*. 2018 Nov - Dec;8(6):382-387. PubMed PMID: 29699893.
 16. Agarwal N, **Agarwal SK**, Bhattacharya S, Datta SS, Chatterjee S, et al. Antibiotic Prophylaxis for Breast Oncosurgery in a Setting With a High Prevalence of Multidrug-Resistant Bacteria: Common Sense Infection Control Measures Are More Important Than Prolonged Antibiotics. *Infect Control Hosp Epidemiol*. 2018 Apr;39(4):498-500. PubMed PMID: 29436315.
 17. Saha M, Arun I, Agarwal S, Ahmed R, Chatterjee S, et al. Imprint cytology-based breast malignancy screening: an efficient nuclei segmentation technique. *J Microsc*. 2017 Nov;268(2):155-171. PubMed PMID: 28654222.
 18. Datta SS, **Agrawal S**. Can e-learning help you to connect compassionately? Commentary on a palliative care e-learning resource for India. *Ecancermedicalsecience*. 2017;11:ed72. PubMed PMID: 29104615; PubMed Central PMCID: PMC5659824.
 19. Chatterjee S, **Agrawal S**, Nallathambi C, Ahmed R. Is the Current American Society of Clinical Oncology Guidance on Axillary Management Generalisable for Symptomatic or Unscreened Breast Cancers?. *Clin Oncol (R Coll Radiol)*. 2017 Oct;29(10):e172-e173. PubMed PMID: 28666763.
 20. Banerjee S, Saha M, Arun I, Basak B, Agarwal S, et al. Near-set Based Mucin Segmentation in Histopathology Images for Detecting Mucinous Carcinoma. *J Med Syst*. 2017 Aug 10;41(9):144. PubMed PMID: 28799130.
 21. Mungle T, Tewary S, DAS DK, Arun I, Basak B, et al. MRF-ANN: a machine learning approach for automated ER scoring of breast cancer immunohistochemical images. *J Microsc*. 2017 Aug;267(2):117-129. PubMed PMID: 28319275.
 22. Chatterjee S, Arun I, Agrawal S, Arunsingh M, Mallick I, et al. Immunohistochemistry Heterogeneity in Reported Breast Cancer Demographics From India: Triple-Negative Breast Cancer Rates Could Be Lower Than Suggested in Pooled Meta-Analysis. *J Glob Oncol*. 2017 Apr;3(2):180-181. PubMed PMID: 28717757; PubMed Central PMCID: PMC5493280.
 23. Tripathi L, Datta SS, Agrawal SK, Chatterjee S, Ahmed R. Stigma Perceived by Women Following Surgery for Breast Cancer. *Indian J Med Paediatr Oncol*. 2017 Apr-Jun;38(2):146-152. PubMed PMID: 28900322; PubMed Central PMCID: PMC5582551.
 24. Mungle T, Tewary S, Arun I, Basak B, Agarwal S, et al. Automated characterization and counting of Ki-67 protein for breast cancer prognosis: A quantitative immunohistochemistry approach. *Comput Methods Programs Biomed*. 2017 Feb;139:149-161. PubMed PMID: 28187885.
 25. Chatterjee S, Arunsingh M, Agrawal S, Dabkara D, Mahata A, et al. Outcomes Following a Moderately Hypofractionated Adjuvant Radiation (START B Type) Schedule for Breast Cancer in an Unscreened Non-Caucasian Population. *Clin Oncol (R Coll Radiol)*. 2016 Oct;28(10):e165-72. PubMed PMID: 27369459.
 26. Chakraborty A, **Agrawal S**, Datta T, Mitra S, Khemka R. Hickman to central venous catheter: A case of difficult venous access in a child suffering from acute lymphoblastic leukemia. *J Indian Assoc Pediatr Surg*. 2016 Oct-Dec;21(4):202-204. PubMed PMID: 27695218; PubMed Central PMCID: PMC4980887.
 27. Saha M, Arun I, Basak B, Agarwal S, Ahmed R, et al. Quantitative microscopic evaluation of mucin areas and its percentage in mucinous carcinoma of the breast using tissue histological images. *Tissue Cell*. 2016 Jun;48(3):265-73. PubMed PMID: 26971129.

28. Khemka R, Chakraborty A, Ahmed R, Datta T, Agarwal S. Ultrasound-Guided Serratus Anterior Plane Block in Breast Reconstruction Surgery. *A A Case Rep.* 2016 May 1;6(9):280-2. PubMed PMID: 26934607.
29. Chatterjee S, Saha A, Arun I, Nayak SS, Sinha S, et al. Correlation of clinicopathological outcomes with changes in IHC4 status after NACT in locally advanced breast cancers: do pre-NACT ER/PR status act as better prognosticators?. *Breast Cancer (Dove Med Press).* 2015;7:381-8. PubMed PMID: 26677343; PubMed Central PMCID: PMC4677657.
30. Lamichhane D, **Sanjit Kumar Agrawal SK**, Mukhopadhyay S, Ahmed R.: *CASE REPORT PEER REVIEWED | OPEN ACCESS International Journal of Case Reports and Images (IJCRI) Axillary arch: Clinical significance in breast cancer patients.* 11/2017; 8(12):758-761., DOI:10.5348/ijcri-2017118-CR-10857
31. Arunangshu C, Taniya D, Sanjit A. Indwelling Tunneled Epidural Catheter for Analgesia in a Terminal Cancer Patient: A Case Report. *J Anest & Inten Care Med.* 2017; 4(2) : 555632. DOI: 10.19080/JAICM.2017.04.555632

Book Chapter

1. Monjoy Saha, **Sanjit Agarwal**, Indu Arun, Rosina Ahmed, Sanjoy Chatterjee, Pabitra Mitra, Chandan Chakraborty: Histogram Based Thresholding for Automated Nucleus Segmentation Using Breast Imprint Cytology. *ICAME-2015; 01/2015*, DOI:10.1007/978- 81-322-2256-9_5
2. **Sanjit Agrawal**, Rosina Ahmed: “Recent Trials in Surgical Management of Breast cancer”: **Breast diseases, Guidelines for the management**
3. Ahmed, R., **Agrawal, S.K.** (2023). Management Approach to Recurrence Following Oncoplastic Breast Surgery. In: Deo, S. (eds) **Breast Oncoplasty and Reconstruction**. Springer, Singapore. https://doi.org/10.1007/978-981-99-5536-7_34

RESEARCH PROJECTS :

ICMR funded :

1. Drug response profiling of patient derived organoids to design personalised neoadjuvant chemotherapy for triple negative and HER2-enriched breast cancer patients: PI: IIRPIG-2023-0000586: **ICMR intermediate grant**
2. Vascular remodelling in cancer patients: Role of BRAP gene in the vascular smooth muscle cells after chemotherapy-associated vascular dysfunction – Joint collaborative project with IIT, Kharagpur : Co-PI : **ICMR small grant**
3. (IMIMA) - Improving Breast Cancer diagnosis and prognostication: Automated Multimodality Image Analytics to develop easily accessible quick throughput solutions - Multicentre prospective study, Co-Investigator, **Indian Council of Medical Research-ICMR grant**

Investigator-initiated (Intramural funding)

1. A Prospective Single-Arm Diagnostic Study to Measure the False Negative Rate of SLNB in Node-Positive Breast Cancer Patients Post Chemotherapy: PI
2. Additional Biomarker for TNBC – BIOTN 001: PI
3. (SNAIL-01) - Sentinel lymph Node biopsy After Initial Lumpectomy - Validation Study-Phase I/II study: PI
4. A prospective single-arm study to assess the feasibility of icg-guided localization of clip(marker) or residual lesion after NACT in breast cancer: Co I
5. Prospective PROM by Breast Q Questionnaire in Oncoplastic Breast Surgery Patients: Co I
6. PECS- B study) - Effectiveness of Preemptive USG guided modified PECS Block in breast cancer surgery- RCT- PECS plane block as part of per operative analgesia, Co- PI

7. HYPOR-T-B - Hypo-fractionated radiotherapy schedule of 26 gy in 5 fractions with simultaneous integrated boost (6 gy) in advanced incurable breast cancer: a prospective phase I/II study - Co-Investigator
8. (LYPIC) - A prospective single-arm study of lymphatic drainage patterns in patients undergoing SLNB with fluorescent dye using indocyanine green (ICG) in breast cancer patients: CO-I
9. (EVOCATION) - Explaining the value and cost of cancer-specific treatment and offering the choice of treatment options to cancer patients: A mixed-methods study to explore decision making: CO-I
10. (ASABI) - Affective Symptoms and Body Image in breast cancer – Co. Investigator - Tata Medical Center, Intramural institutional funding, CO-I
11. (HYPOR Study) - Hypo-Fractionated Radiotherapy schedule of 35 GY/10 fraction in Advance incurable breast cancer Co-I

INVITED ORAL PRESENTATION

2017

- SGPGI, Lucknow – (MDT early breast cancer) moderator
- KGMC, Lucknow – ABSI breast module – Early Breast cancer update
- SGCRI, Thakurpukur – Chemo port video

2018

- ASOMA, AIIMS, New Delhi – Advanced breast cancer update
- Bengal breast meeting – SLNB video
- Durgapur oncology meeting – Breast Conservation Surgery in Eastern India

2019

- Year in Review, Mumbai – Oncotype DX testing in India
- ICON 40 – Oral Presentation for lymphedema management
- NATCON 2019 – Panel discussion for Oncoplastic Breast surgery
- ASOMACON, AIIMS, Bhubaneswar – Oncoplastic breast surgery
- Lion's club, High court Auditorium, Saint Joseph School – Breast Cancer awareness program
- Controversy to consensus meeting, Kolkata - Sentinel Lymph node Biopsy post-chemotherapy
- E cancer conference, Kolkata - Breast cancer screening in India

2020

- Association of Radiotherapy (WB chapter) – Early breast cancer update (p)
- MOSCON Imphal – Update on Breast Cancer Surgery
- ASI West Bengal chapter – Recent advances in axillary surgery in breast cancer
- Breast cancer awareness – IMA, Lucknow
- Mastology Clinic – Axillary staging in breast cancer
- Apollo Kolkata – Sentinel Lymph node biopsy in breast cancer
- ASOMACON – Chest wall perforator flaps
- Oncosurge PGIMER – Oncoplastic breast surgery(p)
- Stats class primer – Type of variables and dispersion of the data
- Endocrine therapy in breast cancer – Neoadjuvant endocrine therapy
- ASI – De-escalation of axillary surgery in breast cancer (p)

2021

- AZPIRE Protocol development workshop: Protocol Development session (TMH, Mumbai)
- ASI West Bengal teaching Module: Targeted axillary dissection and Oncoplastic breast surgery (ASI West Bengal Chapter)
- ACORD protocol development work shop: Protocol Development session (MOGA, Australia)
- IASO state chapter: Early breast cancer – neoadjuvant therapy and surgical issues (IASO)

- West Bengal - Kerala collaboration: Improving treatment in HER2+Ve Early Breast Cancer (Roche)
- SASICON CME: SLNB program development in Eastern India (WBASI)
- Max hospital Monthly webinar: BIRAS 3 and BIRADS 4 A lesion management (Max Hospital, New Delhi)
- Perforator flap web series: Chest wall perforator flaps, Data from India (ABSI, India)
- Perforator flap web series: ICG use in breast cancer (ABSI, India)
- NATCON: LTAP flap breast reconstruction (IASO)
- ABSICON 2021: Moderator (Early breast cancer management in HER 2 positive breast cancer and ABSI consensus statement questionnaire), Debate: Role of surgery in metastatic breast cancer, Paper presentation – Outcome data of 1500 SLNB patients from Eastern India.
- ACORD 1 day Protocol development workshop: Statistical Consideration in Clinical Research (MOGA, Australia)

2022

- ASOMA Phyllodes web series: Phyllodes - Institutional data presentation (ASOMA)
- BCS is superior then Mastectomy in EBC: SASICON CME (WBASI)
- Axillary Management post NACT: International women's day webinar (International association of Oncology)
- LICAP flap: FCIBC breast cancer conference(Breast Global)
- HER + EBC - Surgeons perspective, ICG use in Breast Cancer: ABSICON 2022(ABSI)
- Axillary management update : Oncosurge 2022(SSKM, Kolkata)
- LTAP and Wise Pattern Reduction Mammoplasty: ASOMACON 2022(ASOMA)
- BCS - Oncoplastic: MOSCON ABSI Module (MOSCON and ABSI)
- Neoadjuvant Treatment in Breast Cancer: SASI CME(WBASI)

2023

- Breast Global: Breast Cancer in Elderly: Surgical Management
- ASOMA webinar: Patient Advocacy: Challenges and opportunities
- WBASI meeting: Oncoplastic Breast Surgery and Whole Breast Reconstruction
- ABSI midterm conference: Video presentation : Round Block and Grisotti Flap, Debate: Post NACT SLNB (For)
- ASOMA Chest wall perforator web series: Chest wall perforator flap: an overview, institutional data presentation, Extended indications
- SASICON 2023: Therapeutic mammoplasty
- ABSICON 2023: Biostatistics workshop, panel discussion on adjuvant treatment decisions based on NACT, ICG use in breast surgery
- DNB central class webinar: Axillary management in breast cancer
- Enmed IIT Kharagpur: Biological subtype and computer added diagnostics in breast cancer
- KGMU breast update: Central excision and LICAP
- Breastics 2023: ICG use in breast surgery
- ORBS Nottingham: Therapeutic mammoplasty- Indian Experience
- E cancer Congress: Axillary Management in breast cancer, Interpreting clinical trial
- Breast cancer update SGCRI : Video demonstration: LICAP
- CME(SRM Institute Chennai) : Risk-reducing strategy and Implant breast reconstruction
- WBASI Skill development: Biostatistics, research and Publication
- ICC Mumbai 2023: Oncotype dx testing in Indian Breast cancer patients
- Breast Global Webinar: Implant + ADM whole breast reconstruction
- ASOMACON 2023: Moderator of cadaveric workshop, LICAP

- SASICME 2023: Live surgery workshop(MRM demonstration), Neo adjuvant systemic therapy in breast cancer
- Oncosurge 2023: Moderator- Live surgery workshop(MRM)
- ASICON 2023: Level 2 Oncoplastic breast surgery

MENTORING AND PROCTROSHIP

2022:

- Chemo port insertion in cancer patients(Proctorship): Chemo port workshop (AOI, Imphal)
- Implant breast reconstruction (Proctorship): NH Hospital, HWH
- Implant breast reconstruction(Proctorship): Rinchi Trust Hospital, Ranchi

2023

- Implant + ADM breast reconstruction (Proctorship): NH Hospital, HWH
- Dr Jitin Yadav (Regency hospital, Kanpur): Training on ICG SLNB and Oncoplastic breast surgery

PROFESSIONAL TRAINING

1. Cancer Prevention and control fellowship – WHO (IARC) (4 months online + 1 week face to face training)
2. Statistical Reasoning for Public Health: Estimation, Inference, Interpretation and regression – 16 weeks - Johns Hopkins University (Online)
3. Protocol development workshop – ACORD Australia
4. Literature search and reference management – CMC, Vellore, India
5. European Molecular Biology Organization Research Leadership Course
6. Statistical Reasoning for Public Health: Estimation, Inference, Interpretation and regression – Johns Hopkins University (Online)
7. Sample Size Calculation workshop – CMC, Vellore, India
8. Genetic counselling workshop – TMH, Mumbai.

ADMINISTRATIVE WORK

1. Surgical Oncology Fellowship program in Tata Medical Center – I facilitate the recruitment process along with my colleagues, personally co-ordinate the interview panel for all sub-specialties of surgical oncology and work with the juniors across departments on a day to day basis for the smooth running of surgical on-call emergency rota (since 2015) and co-ordinate between different consultants to develop an acceptable schedule for the placement of all surgical oncology fellows posted in the department.
2. Surgical Oncology DNB program accreditation application – Lead role
3. Surgical Oncology Journal Club – Lead role
4. Research Support Directorate (RSD) – Active member since 2019 and contributed significantly to the Annual research report of TMC 2019, 20 & 21.
5. Institutional Review Board (IRB) – Member from 2022.
6. TMC Biobank committee : Member from 2022
7. DNB program scientific review committee – Member since 2020.
8. NABH accreditation – Active member since 2019 and contributed significantly to modifying patient consent forms used in TMC to fulfil NABH requirements.
9. Breast Oncology protocol Development – I play a significant role in the de-escalation pathway of axillary management through audits, presentations, and IRB-approved investigator-initiated research studies.
10. Reviewer of Union International Cancer Control technology transfer grant committee
11. Editorial Board Member – Ecancer Medicine Journal
12. Executive Committee member: ABSI and WBASI

TEAM CAPACITY BUILDING:

1. Facilitated Breast and surgical oncology fellows to present posters at various National conferences – (SGPGI Breast Health, ABSI conference, British Bangla Meet, Controversies in Clinical Cancer)
2. Facilitated surgical and other department colleagues for data analysis, Red CAP database, statistical methodology and IRB submission (helped colleagues and residents from GI surgery, Uro Surgery, Gyne Oncology, Nuclear medicine, medical oncology and anaesthesia department)
3. Dr Prafulla Sakya (Fellow, Breast Oncosurgery) – Cleared European breast surgery examination in 2018 – The first person from Nepal who cleared this exam, I was the first surgeon from India who cleared this examination in 2015.
4. Dr Izideen Hashlamoshun((Fellow, Breast Oncosurgery) – Poster presentation in the European Society of Surgical Oncology conference, 2019.
5. Dr Shashank Nigam (Fellow, Breast Oncosurgery) – Oncoplastic breast surgery fellowship in Oxford, UK.
6. Dr Sudip Ratna Sakya (Fellow Surgical Oncology) – Asian society of Mastology travel grant in 2019
7. Dr Pragati Singhal: First Prize winner IACON 2022 video presentation, Travel Grant Fellowship (EBCC), ACORD protocol development workshop
8. Best oral presentation in ABSICON 2023: Dr Shagun Mahajan, Dr Meenulocahani Annadurai, Dr Jitendra Tolwani

CONFERENCE AND CME ORGANISED

1. Central Access Venous Device in Oncology – 2016
2. Tata Annual Biostatistics and Clinical Research Methodology – 2017- 23
3. Master class in Surgical Oncology – 2019
4. E cancer Breast Module – 2019, 2021, 2023
5. TRAIN – Tata Research Academic Initiative – Monthly training module.
6. ABSICON, Kolkata: 2021.
7. TMC Breast Surgery Workshop 2022
8. Webinar on ADM + Whole breast reconstruction 2023

Dr Sanjit Kumar Agrawal