

Divyani Chowdhury

MBBS, MD (Radiation Oncology), Fellowship in Clinical Oncology

Contact

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Skills

Clinical skills:

- Clinical experience in various field of Radiation Oncology, such as 3-Dimensional Conformal Radiation Therapy, Intensity Modulated Radiation Therapy, Volumetric Modulated Arc Therapy, Image Guided Radiotherapy, and Stereotactic Radiotherapy
- Brachytherapy (Intracavitary and Interstitial)
- Systemic therapy for various solid organ malignancies

Research based skills:

- Clinical trial design and management- including protocol development.
- Medical Statistics- Data analysis and interpretation
- Programming language knowledge - SPSS and R

Personal Details

Date of Birth: 05/01/1994

Nationality: Indian

Consultant Clinical Oncologist with international fellowship experience and a strong academic background in gastrointestinal, breast and thoracic oncology. Passionate about delivering evidence-based, patient-centered and personalized cancer care through precision radiotherapy and multidisciplinary collaboration. Experienced in advanced external beam radiotherapy, stereotactic techniques, brachytherapy and modern treatment planning. Actively engaged in clinical research, national consensus initiatives and peer review, with a keen interest in translational oncology, radiotherapy innovation, personalized cancer treatment, and improving clinical outcomes.

Work History

2026 - Current	Junior Consultant <i>Tata Medical Center, Kolkata, India</i>
2025 - 2026	Clinical Fellow (upper GI and HPB) <i>The Christie NHS Foundation Trust, Manchester, United Kingdom</i>
2022 - 2025	Fellowship in Clinical Oncology <i>Tata Medical Center, Kolkata, India</i>
2019 - 2022	Residency and Specialisation- Radiation Oncology <i>Kidwai Memorial Institute Of Oncology, Bengaluru, India</i>
2016 - 2017	Internship <i>Bankura Sammilani Medical College And Hospital, Bankura, India</i>

Education

2023-02	FRCR- Clinical Oncology: Clinical Oncology <i>Royal College of Radiologists - London, UK</i>
2022-08	Doctor of Medicine: Radiation Oncology <i>Kidwai Memorial Institute of Oncology - Bengaluru, India</i> Thesis Study of assessment of systematic and random setup errors in the treatment of gynecological malignancies using radiotherapy for determination of planning target volume margins
2016-03	Bachelor of Medicine, Bachelor of Surgery <i>Bankura Sammilani Medical College And Hospital - Bankura, India</i> Honours Ophthalmology, 2015

Other: Languages: English, Bengali, Hindi, Kannada

- Preventive and Social Medicine, 2015
- Pathology, 2014
- Physiology, 2012

Class topper

- General Medicine, 2016
- General Surgery, 2017
- Ophthalmology, 2015
- Physiology, 2012

Awards

- Gold medal in General Medicine, 2016
- Gold medal in General Surgery, 2016
- Gold medal in Ophthalmology, 2015
- Senior Class Assistant (for proficiency) in Preventive and Social Medicine,2015
- Senior Class Assistant (for proficiency) in Pathology, 2014.
- Junior Class Assistant (for proficiency) in Pharmacology,2014
- Hrishikesh Singhamahapatra Smriti scholarship for securing highest marks in Physiology in state of West Bengal, 2012

Participations

- Participated as delegate in "Road to ISMOPH", 14th world congress on public health in 2015

2011-03

High School Diploma

St Teresa's Higher Secondary School - Kolkata, India

Accomplishments

- Best protocol award for clinical protocol development in Federation of Asian Radiation Oncology Research Network, 2023
- Co-Investigator, Personalised breast cancer project- India- awarded the BFI-BIOME grant 2025 for innovation in personalised breast cancer care planning
- Presented digital poster in ESTRO, 2024- Development of individual prognostic model to predict disease related outcomes in oral cavity cancer

Affiliations

- Royal College of Radiologists
- The European Society for Radiotherapy and Oncology
- American Society of Clinical Oncology
- Association of Radiation Oncologists of India
- Indian Brachytherapy Society

Certifications

Research experience

Clinical trial experience as co- investigator in protocol writing and development, patient enrollment and trial management

Clinical trials:

1. HYPORT HN- A randomised, non inferiority trial to compare the average global quality of life score following hypofractionated radiotherapy versus conventional fractionation in head and neck cancer
2. PROPARA- Prophylactic Para Aortic Irradiation vs Pelvic Radiotherapy in Pelvic node-positive Carcinoma Cervix in the setting of concurrent chemoradiation: A phase II Open-label Multicenter Randomized Controlled Trial
3. PBCP-I- Personalised Breast cancer project- India: prospective study evaluating the clinical utility of whole genome sequencing (WGS) to guide personalised treatment in breast cancer in India
4. RETAIN- Comparison of Responses after two Total Neoadjuvant Treatment Protocols in Rectal Cancer: A prospective phase II Randomised Controlled trial
5. HYPORT adjuvant- A randomised phase III open-label noninferiority trial comparing standard moderately hypofractionated 3 week adjuvant radiation therapy in breast cancer with a novel 1-week schedule
6. NEOHYPORT- A multicenter, open-label, randomised, parallel group, superiority trial to compare the disease free survival following neoadjuvant versus adjuvant hypofractionated radiotherapy in breast cancer

Reviewer in indexed journal- Clinical Oncology

Publications

Original article:

1. Chowdhury D, Sarkar N, Sai Hanuman PHHM, Sinha A, Pati S, Chatterjee S, Jain PV, Arun P, Roy P, Arun I, Mallick I. Outcomes of curative surgery and adjuvant radiation therapy in salivary duct carcinoma. J Cancer Res Ther. 2025 Apr 1;21(3):670-677. doi: 10.4103/jcrt.jcrt_1842_24. Epub 2025 Jul 5. PMID: 40616551.

Abstracts:

1. Development of individual prognostic model to predict disease related outcomes in oral cavity cancer. May 2024

Radiotherapy and Oncology 194:S1304-S1305.

DOI:10.1016/S0167-8140(24)01911-X. Chowdhury D., Chatterjee S., Mallick I.

2. Patterns of Nodal failure in Gingivo-buccal Cancers Treated with Surgery and Adjuvant Radiotherapy With or Without Concurrent Chemotherapy. DOI: 10.1016/j.clon.2024.06.038 Mallick, A. et al. Clinical Oncology, Volume 36, Issue 9, e367.

Mallick A., Chowdhury D., Chatterjee S., Mallick I.

3. Endoclip localisation during radiotherapy (RT) planning in patients with early-stage oesophageal cancers. **Chowdhury D**, Argento A, Ang Y, Britton J, Kapacee Z, Bleaney CW, Baker E, Radhakrishna G, Forker LJ, Bhatt L, Sheikh H.