



## **DR. PRITHWIJIT MOITRA**

Associate Consultant - Radiation Oncology

### **Qualification**

MBBS | MD (Radiation Oncology)

### **Overview**

Dr. Prithwijit Moitra is a highly skilled Associate Consultant in the Department of Radiation Oncology at Manipal Hospitals, Rangapani. He completed his MBBS at Medical College, Kolkata, and went on to pursue an MD in Radiation Oncology from the prestigious Homi Bhabha National Institute (HBNI). Dr. Moitra graduated with distinction and was awarded the Gold Medal by HBNI for academic excellence. He also received the Agarwal Gold Medal from Tata Memorial Hospital (TMC) in recognition of his outstanding academic performance. With over four years of experience in Radiation Oncology, Dr. Moitra specialises in delivering advanced radiation techniques for the treatment of various cancers. He actively manages cases across Neuro Oncology, Head and Neck Oncology, Breast Oncology, and Gynaecological Oncology. Dr. Moitra brings extensive expertise in cutting-edge radiation therapies. He regularly performs Stereotactic Radiosurgery (SRS) and Stereotactic Body Radiotherapy (SBRT) using Brainlab and Novalis TX. He is proficient in Intensity-Modulated Radiotherapy (IMRT) and Volumetric Modulated Arc Therapy (VMAT). Dr. Moitra also holds expertise in developing clinical trials to focus on improving treatment outcomes.

and patient safety. Additionally, Dr. Moitra delivers Total Body Irradiation (TBI), Total Skin Electron Beam Therapy (TSEBT), 3D Conformal Radiotherapy (3DCRT), and Conventional 2D Radiotherapy using cobalt technology. He has independently performed over 100 Intracavitary procedures and more than 10 Interstitial Brachytherapy treatments, offering precise and personalised care to his patients. As an active academician, Dr. Moitra has published papers in leading national journals. This includes the Journal of Neuro-Oncology and the Journal of Clinical Oncology. His papers explore the areas of Pharmacogenetics and treatment-related toxicity in glioma patients. Dr. Moitra has also shared his findings widely in various national conferences, such as the AROI Maharashtra State Chapter Annual Conference.

### **Field of Expertise**

- Stereotactic Radiosurgery (SRS) and Stereotactic Body Radiotherapy (SBRT) – Brainlab, Novalis Tx.
- Intensity-Modulated Radiotherapy (IMRT) and Volumetric Modulated Arc Therapy (VMAT) – Varian Truebeam, Tomotherapy, Halycon.
- Total Body Irradiation (TBI) and Total Skin Electron Beam Therapy (TSEBT) – Truebeam
- Three-Dimensional Conformal Radiotherapy (3DCRT) and Two-Dimensional Radiotherapy (2D) – Cobalt.
- 2D and 3D Brachytherapy – Intracavitary, Intraluminal, and Interstitial approaches.
- Performed 100+ Intracavitary Brachytherapy procedures and 10+ Interstitial Brachytherapy procedures, Developing Clinical Trials.

### **Languages Spoken**

- English
- Bengali
- Hindi

### **Awards & Achievements**

- Recipient Of Gold Medal In Radiation Oncology, HBNI.
- Recipient Of the Agarwal Gold Medal, TMC.

### **Talks & Publications**

- Moitra P et al: Temozolomide-Induced Myelotoxicity And Single Nucleotide Polymorphisms In The MGMT Gene In Patients With Adult Diffuse Glioma: A Single-Institutional Pharmacogenetic Study. J Neurooncol. 2022 Doi:10.1007/s11060-022-03944-6.
- Moita P et al: MGMT Gene Polymorphisms in Patients With Severe Haematological Toxicity Treated With Temozolomide For Adult Diffuse Gliomas: Results From A Tertiary-Care Comprehensive Cancer Centre. Journal Of Clinical Oncology 39:E14032, 2021. Doi: 10.1200/Jco. 2021.39.15\_suppl.E14032.
- Conference Presentation and Workshop: Oral Presentation In the Annual Conference Of the Association Of Radiation Oncologists In India - Maharashtra State Chapter Held On 19-12-2020.
- Attendee Asia Pacific Clinical Oncology Research Development (Acord) 2022 Online Workshop For Designing Randomised Controlled Trials.