RESEARCH EXPERIENCE

I have been involved in several clinical research projects in radiation oncology, contributing to key studies in diverse cancer types. My work includes evaluating the outcomes of cervical cancer in HIV-positive women treated with radiotherapy, thyroid cancers treated with radiotherapy, and unresectable oral cavity cancers receiving definitive radiotherapy. These studies have provided valuable insights into optimizing the treatment strategies for these patient populations. Additionally, I have conducted multiple dosimetric studies, such as evaluating various techniques for lymph nodal boosts in node-positive cervical cancer and assessing the delivery of intensity-modulated radiation therapy (IMRT) in mediastinal lymphoma. I have also been involved in knowledge based planning of radiation therapy planning of nasopharyngeal and cervical cancers. I am currently involved in multiple clinical trials in head and neck oncology including randomised controlled trials as well as studies on quality improvement in radiation oncology.

I actively participated in the International Collaboration for Research Methods Development in Oncology (CReDO) workshop, where I was involved in the development of a protocol for a Phase III randomized controlled trial on "Prophylactic versus Reactive (PvR) Feeding in patients undergoing (chemo)radiation for head and neck cancers," held in 2018. Additionally, I contributed to the protocol development workshop of the Federation of Asian Radiation Oncologists Research Network (FeRN) held in 2023, where I helped design a multicentric project aimed at establishing the Error Reporting and Incident Reporting Learning Program in India. These experiences have strengthened my expertise in clinical research and protocol development within the field of radiation oncology.