

Department Overview: Radiotherapy

A Legacy of Healing Since 1958

The Department of Radiotherapy at Dhaka Medical College Hospital is a pioneer in cancer care in Bangladesh. Established on March 24, 1958, we have a rich history of providing comprehensive and compassionate radiation therapy services to cancer patients. This Department is dedicated to provide state-of-the-art cancer care to patients in Bangladesh. Our team of experienced radiation oncologists, clinical oncologists, medical physicists, and radiation therapists work collaboratively to deliver precise and effective radiation therapy treatments as well as chemotherapy, immunotherapy, hormone therapy and targeted therapy.

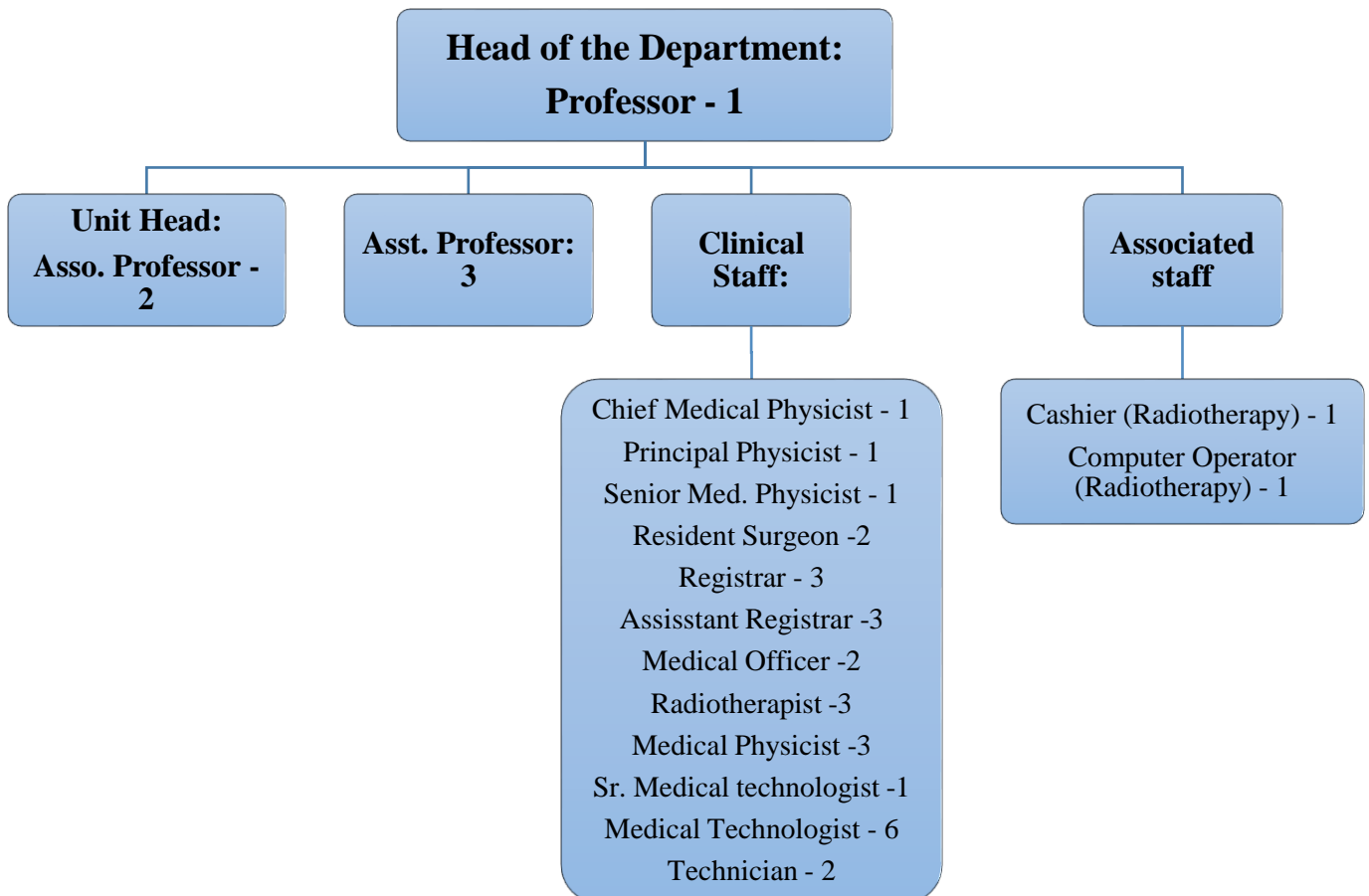
Our Commitment:

We are committed to provide compassionate and comprehensive cancer care to our patients. Our team strives to stay updated with the latest advancements in radiation oncology, ensuring that our patients receive the best possible treatment.

Our Vision:

To be a leading center for cancer care in Bangladesh, providing world-class radiation oncology services and contributing to the advancement of cancer research.

Departmental organogram: Department of Radiotherapy



Faculty:

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Departmental academic & Clinical activities:

Activities:	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Resident's Round	8:00-9:00 AM	9:00-10:00 AM	8:00-9:00 AM	8:00-9:00 AM	8:00-9:00 AM	8:00-9:00 AM
Clinical meeting	--	--	--	--	--	9:00-10:00 AM
Journal review	--	--	--	9:00-10:00 AM	--	--
Class	9:00-10:00 AM	--	9:00-10:00 AM	--	9:00-10:00 AM	--
Brachytherapy	9:00 - 2:00 PM	9:00 - 2:00 PM	9:00 - 2:00 PM	9:00 - 2:00 PM	9:00 - 2:00 PM	9:00 - 2:00 PM
Ward round	10:00-11:30 AM	10:00-11:30 AM	10:00-11:30 AM	10:00-11:30 AM	10:00-11:30 AM	10:00-11:30 AM
Chemotherapy: Ward	9:00 AM to whole day long	9:00 AM to whole day long	9:00 AM to whole day long	9:00 AM to whole day long	9:00 AM to whole day long	9:00 AM to whole day long
Chemotherapy: Day care centre	9:00 AM – 2:00 PM	9:00 AM – 2:00 PM	9:00 AM – 2:00 PM	9:00 AM – 2:00 PM	9:00 AM – 2:00 PM	9:00 AM – 2:00 PM
Radiotherapy Planning	10:00 AM – 2:00 PM	10:00 AM – 2:00 PM	10:00 AM – 2:00 PM	10:00 AM – 2:00 PM	10:00 AM – 2:00 PM	10:00 AM – 2:00 PM
Simulation	11: 00 AM – 1:00 PM	11: 00 AM – 1:00 PM	11: 00 AM – 1:00 PM	11: 00 AM – 1:00 PM	11: 00 AM – 1:00 PM	11: 00 AM – 1:00 PM

Departmental research activities:

No.	Title	Primary investigator	Status/remark
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01	Comparison of treatment response of induction versus consolidation chemotherapy with chemoradiation as total neoadjuvant therapy for patient with locally advanced rectal carcinoma.	Dr. Kanize fatima Phase B Resident	Ongoing (2024)
02	Comparison between Concurrent Chemoradiotherapy with Temozolomide Versus Radiotherapy Alone for Treatment of Brain Metastases	Dr. Md. Al-Amin Phase B Resident	Ongoing (2024)
03	Prophylactic use of dexamethasone to prevent pain flare after palliative radiotherapy for painful bone metastases	Dr. Alpona Akhter, Phase B Resident	Ongoing (2024)
04	Gemcitabine versus Cisplatin Concurrent with Radiotherapy in Locally Advanced Laryngeal Squamous Cell Carcinoma	Dr. Md. Nazmus Sakib, Phase B Resident	Ongoing (2023)
05	Effect of Total Neoadjuvant Therapy with concurrent statin on pathological response rate of locally advanced rectal cancer	Dr. Md. Khaled Mahmud Phase B Resident	Ongoing (2023)
06	Comparison of clinical response and toxicities of concurrent chemoradiation with gemcitabine versus cisplatin in locally advanced carcinoma cervix	Dr Fatema Yasmin Phase B Resident	Ongoing (2024)
07	Accelerated Radiotherapy Versus Conventional Chemoradiotherapy In Locally Advanced Oropharyngeal Cancer	Dr. Mohammad Ashraf Alam Phase B Resident	Completed (June '22 to July '23)
08	External Beam Radiotherapy with Concurrent Capecitabine and External Beam Radiotherapy alone in Painful Bone Metastasis of Primary Breast Cancer	Dr. S. M. Ahsan Habib FCPS Part II trainee	Ongoing (2023)
09	Role of Memantine on prevention of neurocognitive dysfunction in patient having brain metastasis receiving whole brain radiotherapy	Dr. Safat Md. Ashraf Hossain FCPS Part II trainee	Ongoing (2023)
10.	Comparative Study Between 10% Urea Ointment and Talcum Powder for Prophylaxis of Radiation-Induced Skin Reaction.	Dr. Nazirum Mubin	Completed (2022)
11.	A Comparative study between Sequential and Concurrent high dose rate Brachytherapy with EBRT in locally advanced carcinoma cervix	Dr. Nasrin Nahar Konok FCPS part II Trainee	Ongoing (2023)
12.	Comparative Study of Tumor Response and Toxicity Between Two Different High Dose Rate Brachytherapy Fractionation Schedules in Carcinoma Cervix	Dr. Afrida Farihan FCPS part II Trainee	Ongoing (2023)
13.	Assessment of Clinical Response in Locally Advanced Rectal Cancer (LARC) after Total Neoadjuvant Therapy (TNT).	Dr. Emdad Ahmed FCPS part II Trainee	Ongoing (2023)
14.	Comparison of clinical response and toxicities of concurrent chemoradiation with capecitabine vs CPL in locally advanced laryngeal cancer	Dr. Baby Rani Paul Phase B Resident	Ongoing (2024)

Publications:

No.	Title	Main Author	Journal	Publication year
01.	Climate change, natural disasters, and mental health of adolescents: A qualitative study from Bangladesh	Dr. Nazirum Mubin	International journal of population studies	February, 2024
02	Use of hypo-fractionated radiotherapy in locally advanced inoperable Head and Neck cancer	Dr. Md. Hafizul Islam	Bangladesh Oncology Journal	August, 2022
03.	Cancer screening research in Bangladesh: Insights from a scoping review.	Dr. Nazirum Mubin	Global public health	May, 2024
04.	Evaluation of Clinical Response and Toxicities of Concurrent Weekly Cisplatin in Comparison to Weekly Paclitaxel with External Beam Radiotherapy in the Treatment of Locally Advanced Cervical Cancer (IIB-IVA)	Dr. Nahid Naznin Rinky	Asian Oncology Research Journal	February, 2024
05.	Side-Effects of Oxford-Astra Zeneca (Covishield) Vaccine Reported by Medical Doctors in Bangladesh	Dr. Nazirum Mubin	Fortune Journal of health sciences	November, 2022
06.	The Effectiveness of Adequate Antenatal Care in Reducing Adverse Perinatal Outcomes: Evidence From a Low- or Middle-Income Country	Dr. Nazirum Mubin	Cureus Journal of Medical Science	December, 2023
07.	Experience of 2D HDR brachytherapy in cervical cancer at Dhaka Medical College Hospital (DMCH)	Dr. Meher Zabin (Asst. Prof)	Bangladesh Oncology Journal	April, 2024
08.	Comparative study on the response of concurrent chemo radiation with Cisplatin weekly versus three weekly in patients with locally advanced oral cavity carcinoma	Dr. Md. Tareq Chowdhury	Bangladesh Oncology Journal	April, 2024
09.	Male Breast Cancer: A Review	Dr. Mohammad Sayeed Hossain	Bangladesh Oncology Journal	April, 2024
10.	Comparative study of Hypo-fractionated versus conventional radiation therapy in post mastectomy Breast Cancer - 2 years study	Dr. Mohammad Sayeed Hossain	Bangladesh Oncology Journal	August, 2022
11.	Assessment of toxicities between concurrent external beam radiotherapy and intracavitary radiotherapy with EBRT followed by ICRT in the management of locally advanced carcinoma Cervix	Dr. Asish Chowdhury	Bangladesh Oncology Journal	August, 2022
12.	Clinical Response and Toxicities of Neo-Adjuvant Concurrent Chemoradiation with Tablet Capecitabine or Mayo-Clinic Regimen in locally advanced Rectal Cancer: A Comparative Study	Dr. Mukti Rani Datta	Fortune Journals	November, 2022