

MOHAMMED ABBAS

Radiotherapy Technologist

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Internship Experience: [Total Experience - 1 Year]

Linear Accelerator: MMC Rajiv Gandhi Government General Hospital, Chennai

- Completed a comprehensive **9 and 1/2-month** internship in the operation and maintenance of linear accelerators.
- Gained hands-on experience in delivering radiation therapy treatments under the supervision of experienced technologists.
- Participated in patient care activities and ensured adherence to safety protocols and procedures.

CT Simulation: RGGGH, Chennai

- Completed a 2-month internship in CT simulation techniques, including **patient positioning** and **imaging procedures**.
- Assisted in conducting CT simulation sessions for radiation therapy treatment planning.
- Developed skills in utilizing CT imaging for **treatment planning** and **dose calculation**.

SPECT: Omandurar Medical College and Hospital, Chennai (Observation)

- Participated in a 15-day observational internship in **Single Photon Emission Computed Tomography (SPECT)**.
- Observed and learned about SPECT imaging procedures and their applications in medical diagnosis.
- Gained insights into the role of nuclear medicine in healthcare through this observational experience.

Education History



Bachelor's Degree in Radiotherapy Technology

*Madras Medical College and Rajiv Gandhi Government General Hospital
(approved by AERB)*

2020 - 2025



Higher Secondary - Bio-Maths - 85.1%

SRV Matric Higher Secondary School, Trichy

2018 - 2020



SSLC – 94.5%

Ck school Matric Higher Secondary School, Cuddalore

2018

Technical Skills

- Proficient in operating **Varian TrueBeam (SVC)** for delivering photons of 6 and 15 MV, and electrons ranging from 6 to 18 MeV.
- Experienced in utilizing amorphous silicon EPID and kilo-voltage cone-beam CT technology.
- Skilled in performing **2D-CRT, 3D-CRT, IMRT, Rapid Arc, FSRT, and SBRT** treatments.
- Capable of handling various types of immobilization devices from Orfit, Qfix, and Meditronix.
- Proficient in preparing irregularly shaped electron shielding blocks.
- Familiar with **Eckert** and **Ziegler** MicroSelectron HDR brachytherapy procedures (observational experience).
- Effective in explaining treatment processes to patients and addressing their inquiries.
- Experienced in assessing patient reactions and advising on potential side effects of radiation therapy.
- Adherence to **AERB** guidelines for maintaining a safe work environment.

Skills

- Accurately positioned patients to replicate treatment plans and verified alignment using port films.
- Proficient in handling various types of immobilization devices and conducting stimulation procedures.
- Observed radiation safety protocols for both patients and personnel.
- Committed to delivering high quality and consistent care to patients.
- Effective time management skills.
- Fluent in **English, Hindi, Urdu and Tamil**
- Self-motivated individual with a strong ability to adapt to different working environments.