



Mr. SHAJU PILAKKAL, MCMPI, Dip.RP, M.Sc

Chief Medical Physicist & Radiation Safety Officer (RSO)

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EXECUTIVE SUMMARY

Distinguished Medical Physics professional with over **14.5 years of expertise** in advanced radiotherapy, clinical commissioning, and regulatory management. Currently directing medical physics operations for the comprehensive Kokilaben Dhirubhai Ambani Hospital (KDAH) network. Proven leader in implementing cutting-edge technologies and maintaining rigorous safety standards in high-volume clinical environments.

PROFESSIONAL EXPERIENCE

Chief Medical Physicist & RSO | KDAH Group, Mumbai | Oct 2022 – Present

- **Network Leadership:** Overseeing medical physics operations across all six radiotherapy departments within the KDAH network.
- **Regulatory Authority:** Leading all end-to-end regulatory compliance and approval processes for upcoming group radiotherapy projects.
- **Clinical Innovation:** Successfully commissioned the Radixact X9 with ClearRT and Synchrony (March 2025).
- **Academic Faculty:** Serving as Faculty and course Co-Director for the **Varian Stereotactic Clinical School**.

Medical Physicist & RSO | Reliance Hospital, Navi Mumbai | March 2018 – Sep 2022

- **Commissioning:** Managed acceptance testing and commissioning for the Varian TrueBeam Linear Accelerator and Somatom Scope Power CT simulator.
- **Dosimetry:** Validated various dose calculation algorithms in Eclipse and directed complex patient-specific QA (IMRT, VMAT, SRS/SBRT).
- **Faculty Role:** Continued as a faculty member for the Varian Stereotactic Clinical School.

Medical Physicist | KDAH, Mumbai | Oct 2013 – Feb 2018

- **National Milestone:** Commissioned India's first Varian EDGE Linear Accelerator.
 - **Technical Lead:** Managed commissioning for Varian Stereotactic Cones, Calypso Tracking systems, and 4DCT respiratory gating.
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CORE COMPETENCIES

- **Clinical Mastery:** SRS, SRT, SBRT, TBI, IMRT, VMAT, and HDR Brachytherapy.
 - **Advanced Systems:** Varian (TrueBeam, EDGE, Novalis, Trilogy), Tomotherapy (Radixact X9), and BrainLab.
 - **QA & Dosimetry:** Expert in Blue Phantom (IBA), Sun Nuclear (Perfraction), and Landauer OSLD systems, ARC Check, SunScan, MapCheck and IVD systems.
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EDUCATION & CERTIFICATIONS

- **CMPI Certified Medical Physicist:** College of Medical Physics of India (2018).
 - **Post M.Sc Diploma in Radiological Physics:** HBNI - BARC, Mumbai (2011).
 - **M.Sc in Physics:** Bharathidasan University, Trichy (2006).
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PUBLICATIONS & AMPICON ABSTRACTS

- Author of 8+ publications in peer-reviewed journals (BJR, AAPM) focused on stereotactic dosimetry and IMRT QA.
 - Multiple abstract presented in different annual conference of association of Medical Physicist of India
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ADVANCED CLINICAL TRAINING

- **Stereotactic Radiotherapy:** Champalimaud Centre for the Unknown, Lisbon, Portugal.
- **SBRT Specialization:** Humanitas Hospital, Milan, Italy.
- **Radixact/Synchrony:** Clinical implementation training in Geneva, Switzerland.