Mindluster Platform

# About the course Brachytherapy machines techniques

Brachytherapy machines course, in this course we will learn about the operation, techniques, and applications of Brachytherapy machines used in internal radiation therapy. The course covers both High-Dose Rate (HDR) and Low-Dose Rate (LDR) brachytherapy, focusing on their role in treating cancers like prostate, breast, and cervical cancer. Participants will explore how to position radioactive sources accurately using image-guided technologies such as CT and MRI, ensuring precise radiation delivery while minimizing harm to healthy tissues. We will also cover the differences between temporary and permanent implants, automated delivery systems, and essential safety protocols. Maintenance, calibration, and troubleshooting techniques will be emphasized to ensure effective and safe operation of the equipment. By the end of the course, learners will have the knowledge and skills to manage Brachytherapy machines confidently in clinical settings.

**Medical Category's Courses**

# Course Lesson(8)

Lesson 1 : **Brachytherapy Equipment s Trailer Biomedical Engineers TV**

Lesson 2 : **Brachytherapy Machines Nuclear medicine Biomedical Engineers TV**

Lesson 3 : **Linear Accelerator Trailer Biomedical Engineers TV**

Lesson 4 : **Linear Accelerators LINAC Biomedical Engineers TV**

Lesson 5 : **Cobalt 60 Trailer Biomedical Engineers TV**

Lesson 6 :
**Cobalt 60 Radiation Therapy Instrument Nuclear Medicine Equipment s Biomedical Engineers TV**

Lesson 7 : **Gamma Camera Biomedical Engineers TV**

Lesson 8 : **Proton Therapy Biomedical Engineers TV**

# Related courses

**Infection Control**

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**Anatomy**

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**General Embryology**

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