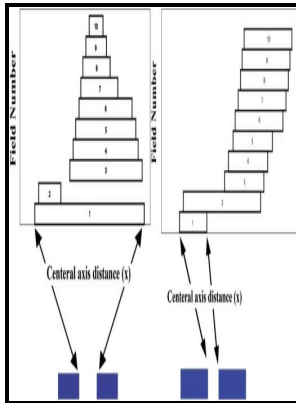


Physics of conformal radiotherapy - advances in technology

Institute of Physics Pub. - Recent Treatment Advances: Radiation Oncology



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Current advances in radiotherapy of head and neck malignancies

Intraoperative radiation therapy IORT is a form of treatment that delivers radiation at the time of surgery.

The Physics of Conformal Radiotherapy

With increasing incidence of head and neck malignancies, remarkable developments have been made towards cancer development and treatment which continues to be a major challenge. Analysis of chromosome translocation frequency after a single CT scan in adults.

Intensity modulated radiotherapy (IMRT)—an introduction

The accelerator rotates around the patient, delivering beams from different angles. The color bar shows the number of radiotherapy centers available in various countries Breast cancer The treatment for breast cancer includes both external beam radiation therapy EBRT and internal beam radiation therapy IBRT.

The Physics of Conformal Radiotherapy

Special patient fixation and positioning systems allow a high precision in repositioning of the patient thus allowing fractionated stereotactic radiotherapy. Debilitating side effects are far more common with chemotherapy.

Recent advances in radiotherapy and its associated side effects in cancer—a review

Particle Radiation therapy It is a part of state of art which is expected to be an important part of radiation therapy which include proton and neutron therapy.

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A linear accelerator, or special machines such as the Gamma Knife or CyberKnife, can be used to deliver this treatment. A dash— represents data with no p value given, but reported as nonsignificant.

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