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TREATMENT VERIFICATION IN RADIATION ONCOLOGY

During radiation therapy treatments, the therapist will be taking verification x-rays or portal films once a week. These films are necessary to check treatment alignment. The films simply verify that the markings that have been placed on you or on your immobilization device, used during your treatment have not shifted from their original placement.

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New treatment advances such as '4D' delivery, in which target motion is compensated or followed, and Adaptive Radiation Therapy (ART), in which a patient's treatment may be modified during the course of care based on new information gained, for example, through cone beam images obtained during Image Guided Radiation Therapy (IGRT) or through functional imaging used to access treatment ...

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Treatment Preparation - American Society for Radiation ...

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Image-guided radiation therapy (IGRT) is a method of radiation therapy that incorporates imaging techniques during each treatment session. Radiation therapy uses high-energy beams of radiation to control cancer and noncancerous tumors. By adding detailed images, IGRT ensures the powerful radiation is narrowly focused at the treatment area.

Image-guided radiation therapy (IGRT) - Mayo Clinic

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Radiation therapy is not painful and takes only a few minutes—but the actual treatment sessions take 15 to 45 minutes, due to the radiation therapist needing to ensure you are positioned properly. Before your first treatment session (and sometimes at regular intervals after that), port films or x-rays of your tumor site will need to be taken—this helps ensure good positioning for the ...

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Radiation Therapy Registry Review: Treatment Procedures

Department of Radiation Oncology Health & Science Center University Hospital at Stony Brook, Stony Brook, New York 11794-7028 Goran K. Svensson Radiation Therapy Department, Harvard Medical School, Boston, Massachusetts 02115 Mona Weller Radiation Oncology, Hahnemann University, Philadelphia, Pennsylvania 19102-1192 Linda Wingfield

COMPREHENSIVE QA FOR RADIATION ONCOLOGY

Working as a Radiation Therapist. Radiologists and radiation oncologists often prescribe radiation therapy for patients who have cancer or other serious diseases. As a radiation therapist, you'll be part of the team that helps plans and administers these treatments, and monitors patients' conditions.

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