

MIL-*, DORIS F****SSN: 000-01-1406****DOB: 4/26/1933****MRN: E002035313****Date Registered: 8/13/2013****Treating Physician: THOMPSON, J SPENCER****Requesting Physician: MANNEL, ROBERT****Primary ICD9: 182.0 - Malignant Neoplasm - Carcinoma
Endometrium - Myometrium****Secondary ICD9:****Stereoscopic X-ray Guidance - 9/5/2013****Stereoscopic X-ray Guidance**

TREATMENT MODALITY : The patient is undergoing intensity modulated radiation therapy (IMRT) utilizing image guidance (IGRT). Daily Stereoscopic X-Ray Guidance is necessary for localization of the target tumor volume for precise delivery of radiation therapy. It has been clearly shown that the clinical outcome of a course of radiation therapy is directly related to the accuracy of precisely establishing the treatment portals, clearly identifying the target tumor volume, and localizing all adjacent normal structures for beam avoidance or dose reduction to decrease the chances of morbidity or mortality. The use of intensity modulated radiation therapy (IMRT) and the requirements for extremely close tolerance of the interface(s) between the target tumor volume and normal structures makes some form of guidance of the daily treatment setup mandatory.

METHOD OF LOCALIZATION : A definable anatomic structure is used to establish the isocenter. X-ray visualization is used to localize the structure in 90 degree orthogonal stereoscopic images.

VISUALIZING MEDIUM : The 90 degree images are visualized utilizing the electronic portal imaging device.

ENERGY SELECTION : Merged KV and MV images are used in the blended 2 color mode to achieve Image Guidance and assure perfect alignment of the treatment beams.

IGRT : Imaged guided radiation therapy (IGRT) is the utilization of daily stereoscopic guidance for setup and treatment.

VERTICAL SHIFT : .2

LATERAL SHIFT : .4

LONGITUDINAL SHIFT : 1.0

COUCH ROTATION : 0


CLINICAL COMMENTS : console jc
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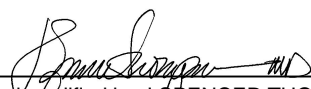
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