Isodose Volume Analysis of 12.5 and 40.0 mm Diameter Collimators for 4 MV and 6 MV Radiosurgery Beams

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ABSTRACT

The dosimetric data for 12.5 amd 40.0 mm diameter size of 4 MV and 6 MV photon beams are collected using a 0.02 cc microchamber in a 6 inch diameter water phantom and 25 x 25 cm² polystyrene phantoms. The isodose volumes for a standard skull phantom dimensions are evaluated for a 1 to 10 non-coplanar converging arcs. It is noticed that the volumes for 4 MV photon beams are slightly higher than those of 6 MV photon beams. The data with more details will be presented.