

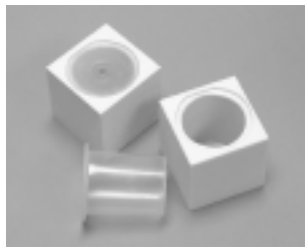
radiosurgery Head Phantom

For Evaluation of Treatment Accuracy

The CIRS Radiosurgery Head Phantom was designed to improve the accuracy of treatment plan verification in radiosurgery. It allows for 3D dose verification in a large cranial volume.

The Phantom contains average brain, bone spinal cord, vertebral disks and soft tissues mimicked with 1% accuracy for both CT and Therapy energy ranges (50 KeV - 25 MeV).

The 2.5x2.5x2.5" Film Cassette contents 13 levels of X-Ray or Gafchromic Film to increase accuracy of 3D dose reconstruction. It can be interchanged with an equivalent Gel Dosimetry Cassette or TLD holder. Two brain-equivalent spacers allow the user to locate the cassette in one of four different positions without braking the consistency of the intracranial anatomy.



BANG™ gel cassette

BANG is a registered trademark of MGS Research Inc.



Model 605

Phantom Benefits:

- Verification of intracranial dose distribution
- 3D isodose verification
- Commissioning and comparison of Treatment Planning Systems
- Verification of individual patient treatment plan
- Teaching tool for Gamma Knife and Radiosurgery



Tissue Simulation Technology

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