

## **GAMMA KNIFE MRI**

**POLICY:** Provide staff with written documentation of specific procedures and Techniques to be used while obtaining scans for Gamma Knife treatment planning. All scans will be recorded on the PAC's system and transferred to the treatment planning system located in Radiation Oncology.

**PROCEDURE:**

1. The GAMMA KNIFE staff will place MR frame and fixations to the table.
2. Once patient arrives to the MR and is placed on the table, the assisting Gamma Knife nurse or physician will place the MR indicator on the head frame.
3. MR technologist will assist nurse in positioning of the patient into the head coil.
4. The Gamma Knife nurse or physician will check for proper alignment of the MR indicator to assure the proper level of the frame.
5. MR technologist will perform a sagittal T1 scan of the head, unless otherwise directed by the physician.
6. Once the initial scan is completed, the neurosurgeon will check the fiducials to verify proper alignment. They will instruct technologist on the reduced area to be scanned. If the fiducials are not aligned properly, the Gamma Knife nurse or neurosurgeon will reposition the patient and the technologist will need to perform a repeat scan of the area.