**Final Lab-09 (Assignment)**

***(Show input and output side by side for all problems****)*

A close-up of a brain scan

Description automatically generated

**Figure 1:** Tumor

1. Segment the tumor from Figure 1 by using:

i. Region growing approach

ii. Region Splitting and Merging approach

1. Segment the tumor from Figure 1 by using Marker Controlled Watershed segmentation.
2. Segment the tumor from Figure 1 by using Quadtree Segmentation.