Total 40 patients: Screen patients for inclusion and exclusion criteria, obtain informed consent. Collect trial relevant data and patient history. Study Treatment Carbon Ion Boost Perform Treatment Planning Application of Study Treatment Clinical assessment and Neuroimaging, 4-6 weeks after completion of Radiation Therapy Clinical assessment and Neuroimaging, every 3 months after Radiation Therapy Final Study Visit for LPI: 3 vears after Study Treatment All other patients will be followed until 3 years after LPI or until death regular follow-up visits every 3 months or in a shorter interval if clinically necessary