

COG PROTOCOL ACNS0121

A PHASE II TRIAL OF CONFORMAL RADIATION THERAPY FOR PEDIATRIC PATIENTS WITH LOCALIZED EPENDYMOMA, CHEMOTHERAPY PRIOR TO SECOND SURGERY FOR INCOMPLETELY RESECTED EPENDYMOMA AND OBSERVATION FOR COMPLETELY RESECTED, DIFFERENTIATED, SUPRATENTORIAL EPENDYMOMA

Instructions and data required for the submission of digital treatment planning information on this protocol are provided below. Institutions submitting digital treatment planning data must also submit hardcopy of isodose distributions in three orthogonal planes, showing target volumes as well. Institutions must notify QARC immediately by email at ATCDICOMRT@QARC.org that data have been submitted. The email message should state your institution and include the protocol, the patient's case number, initials, and a list of the data that have been submitted.

- Digital Data to be submitted
 - Volumetric planning CT
 - Structure contours delineating target volumes and critical structures
 - Plans and 3-D Dose distributions for the initial fields, boost fields, and total dose plan in absolute dose
 - Dose-volume histograms for the total dose plan in absolute dose for the GTV, CTV, and PTV of each volume treated and for the following organs at risk (see protocol Sections 11.5 and 11.6.4):
 - Spinal Cord (< 54 Gy at 1.8 Gy/day)
 - Optic chiasm (< 54 Gy at 1.8 Gy/day)
 - Cochlea
 - Pituitary
 - Hypothalamus
 - Total brain
 - Temporal lobes (right and left)

This method of submission has been developed with the Advanced Technology Consortium (NIH grant CA81647) using the software and methodology developed by the ITC (Image-guided Therapy Center).

Details for the submission of digital data are at [QARC_Digital_Data_Submission](#)

Please see protocol Section 11.7 for the complete list of QA materials to be submitted and the required timelines.

Questions should be addressed to ATCDICOMRT@QARC.org or please call 401-454-4301.