

Assessing Effectiveness of Treatment and Identifying Predictors of Survival in Pediatric Patients with High-Grade Gliomas

- The purpose of this study is to quantify the survival time and rates of pediatric patients undergoing treatment for high-grade gliomas, defined as grade III anaplastic astrocytomas and grade IV glioblastomas, to assess the effectiveness for the various modalities of treatments, and to reveal clinical predictors of survival. The results of this study will inform future clinical protocol development and clinical decision making that could potentially improve patient outcomes.

Specific Aim 1: To quantify survival times of pediatric patients with high-grade gliomas undergoing treatment

Specific Aim 2: To assess the effectiveness of various treatments in pediatric patients with high-grade gliomas

Specific Aim 3: To reveal any significant predictors of survival in pediatric patients with high-grade gliomas