

Predictors Associated with Risk Reduction in Pediatric Brain Tumor Patients Undergoing Posterior Fossa Resection

- The purpose of this study is to evaluate predictors associated with risk reduction in patients undergoing posterior fossa resection. The results of this study will inform future clinical protocol development and clinical decision making that could potentially improve patient outcomes and medical care costs.

Specific Aim 1: Determine if pericranial autograft closure are associated with fewer complications than other types of closures, including but not limited to incomplete primary dural closures, synthetic material, bovine pericardium.

Specific Aim 2: Determine if pre-operatively planned perioperative EVD placement is associated with increased rate of post-operative hydrocephalus compared to unplanned or no EVD placement, including other methods of CSF diversion.