

## Collection and Banking of Pediatric CNS Tumors

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### Synopsis:

The study aims are to

1. Collect samples of human tissue, specifically primary CNS tumor tissues and specimens of normal human tissues (i.e. blood or skin) from investigators participating in the California Childhood Brain Tumor Consortium (CCBTC) to be stored in a single repository in the UCSF Brain Tumor Tissue Bank.
2. Collect and store associated clinical data linked to tissues acquired.
3. To make these specimens and data available to translational investigators requesting these materials for projects approved by the CCBTC.

Brain tumors are the most solid tumor of childhood, and the leading cause of cancer related mortality in children. Although sometimes effective conventional chemotherapy and radiation therapy are associated with high levels of toxicity and long term morbidity in survivors. There is a great need for therapies with improved effectiveness and reduced toxicity. Ideally these therapies should be biologically targeted. The study of brain tumors in children is limited by a number of factors, however, including a relatively low frequency of new brain tumor patients in comparison to adult brain tumor patients, a diverse range of histologies within this group of diagnoses, and a limited number of animal models, particularly for pediatric gliomas. One resource that will allow more translational research specific to pediatric brain tumors is bank of pediatric brain tumor tissue. As the number of specimens in the bank grow, investigators at participating institutions will be able to submit proposals for specific projects utilizing available tissue.