Project Title: Neurologic and Neurosensory Deficits in Long-term Survivors of Childhood Brain Tumors: Occurrence of New Deficits and Effects of Aging in Occurrence as Assessed in 2007 Survey
Planned research population (eligibility criteria): Survivors of primary central nervous systems in the original cohort.
Proposed specific aims: 1. Describe the type of neurologic and neurosensory deficits occurring in long-term survivors of childhood brain tumors and compare the incidence of these deficits to sibling controls. 2. Determine type and incidence of new deficits which have arisen since baseline assessment and the 2007 follow-up. 3. Assess factors associated with occurrence and later development of neurologic/neurosensory deficits including: tumor type, gender, age at treatment, present age, therapy (radiation therapy - dose, location, etc., chemotherapy), occurrence of secondary malignancy, disease state, habits (smoking, etc.). 4. Explore possibility of utilizing genetic material available in cohort to determine molecular (genetic) parameters which may predispose to neurologic deficits (still to be determined).
Will the project require non-CCSS funding to complete?: No
If yes, what would be the anticipated source(s) and timeline(s) for securing funding?:

Does this project require contact of CCSS study subjects for . . .
Additional self-reported information: No
Biological Samples: No
Medical record data: No
If yes to any of the above, please briefly describe.: We stated no to biologic samples, but may revisit this after we discuss with the chronic disease committee

What CCSS Working Group(s) would likely be involved? (Check all that apply)

- Second Malignancy: Secondary
- Chronic Disease: Primary
- Psychology / Neuropsychology: Secondary
- Genetics:
- Cancer Control:
- Epidemiology / Biostatistics:

To describe the anticipated scope of the study, please indicate the specific CCSS data to be included as outcome (primary or secondary) or correlative factors. (Check all that apply)

- Late mortality: Correlative Factors
- Second Malignancy:

Health Behaviors

- Tobacco: Correlative Factors
- Alcohol: Correlative Factors
- Physical activity: Correlative Factors
- Medical screening:
- Other:
  If other, please specify:

Psychosocial

- Insurance:
- Marriage:
- Education:
- Employment:
- Other:
  If other, please specify:

Medical conditions

- Hearing/Vision/Speech: Primary
- Hormonal systems: Correlative Factors
- Heart and vascular: Correlative Factors
- Respiratory:
Digestive:
Surgical procedures:
Brain and nervous system: Primary
Other:
If other, please specify:

Medications

Describe medications: methotrexate, vincristine, cis-platin, ccnu, decadron

Pregnancy and offspring:
Family History: Correlative Factors

Psychologic/Quality of Life

BSI-18:
SF-36:
CCSS-NCQ:
PTS:
PTG:
Other:
If other, please specify:

Chronic conditions (CTCAE v3):
Health status:

Demographic

Age: Correlative Factors
Race: Correlative Factors
Sex: Correlative Factors
Others: Correlative Factors
If others, please specify: tumor location, radiation dose and sector

Cancer treatment

Chemotherapy: Correlative Factors
Radiation therapy: Correlative Factors
Surgery: Correlative Factors

Anticipated sources of statistical support
CCSS Statistical Center: Yes
Local institutional statistician:
If local, please provide the name(s) and contact information of the statistician(s) to be involved.: 
Will this project utilize CCSS biologic samples?: No

If yes, which of the following?

Buccal cell DNA:
Peripheral blood:
Lymphoblastoid cell lines:
Second malignancy pathology samples:
Other requiring collection of samples:
If other, please explain: this needs to be discussed

Other general comments: