Section: Contact Information

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Section: Project Requirements and Description

Group: Requirements to submit AOI
A comprehensive review of previously published data has been completed. : Yes
The specific aims are clear and focused. : Yes
The investigator has appropriate experience and expertise to develop the concept proposal; if not, has identified a mentor or senior co-investigator. : Yes
The investigator agrees to develop an initial draft of the concept proposal within 6 weeks of approval of the AOI and to finalize the concept proposal within 6 months. : Yes
Project Title: Effects of radiation and changes by treatment era on neurocognitive impairment, social attainment and quality of life in adult survivors of pediatric brain tumors
Planned research population (eligibility criteria):
Original and expansion cohort
>18 years of age
diagnosis of primary brain tumor (medulloblastoma, astrocytoma, ependymoma)
FU2 & FU5 - completion of NCQ
Proposed specific aims:

To examine neurocognitive outcomes by treatment era (corresponding to changes in therapeutic approaches) and stratified by primary diagnosis (medulloblastoma; astrocytoma; ependymoma)
To examine social attainment outcomes by treatment era and stratified by primary diagnostic group, and associations between these outcomes and neurocognitive impairment
To examine quality of life by treatment era and stratified by primary diagnostic group, and associations between these outcomes and neurocognitive and social impairment

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?:

**Group: 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.

**Group: What CCSS Working Group(s) would likely be involved? (Check all that apply)**
- Second Malignancy:
- Chronic Disease:
- Psychology / Neuropsychology: Primary
- Genetics:
- Cancer Control:
- Epidemiology / Biostatistics:

**Section: Outcomes or Correlative Factors**
- Late mortality:
- Second Malignancy:

**Group: Health Behaviors**
- Tobacco:
- Alcohol:
- Physical activity:
- Medical screening:
- Other:
If other, please specify:

**Group: Psychosocial**
- Insurance: Correlative Factors
- Marital status: Secondary
- Education: Secondary
- Employment: Secondary
- Other: Secondary
If other, please specify: Independent living

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

Group: Medications
Describe medications:

Group: Psychologic/Quality of Life
BSI-18:
SF-36: Secondary
CCSS-NCQ: Primary
PTS:
PTG:
Other:
If other, please specify:

Group: Other
Pregnancy and offspring:
Family history:
Chronic conditions (CTCAE v3):
Health status:

Group: Demographic
Age: Correlative Factors
Race: Correlative Factors
Sex: Correlative Factors
Other:
If other, please specify:

Group: Cancer treatment
Chemotherapy: Correlative Factors
Radiation therapy: Correlative Factors
Surgery: Correlative Factors

Section: 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?:
If other, please explain:

Section: Other General Comments
Other General Comments:
I will be working closely with Kevin Krull on the completion of this project.