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**
Marriage : **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.