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 : **Improving Delivery of Genetic Services to High Risk Childhood Cancer Survivors: A Randomized Study of Remote Genetic Services Versus Usual Care**

Planned research population (eligibility criteria) :
Eligible participants will include CCSS participants who are currently alive, male or female, 18 years of age or older, a survivor of osteosarcoma, a survivor with multiple primaries or a survivor who meets NCCN criteria for cancer genetic testing, and able to understand and communicate in English.

Proposed specific aims :
The objective of this large randomized study in the NCI-supported Childhood Cancer Survivor Study (CCSS) is to evaluate the efficacy of remote genetic services to increase uptake of genetic counseling and testing in childhood cancer survivors as compared to usual care (identification and referral or testing by a patient's current medical providers). Additionally, we will evaluate the relative advantage of real-time videoconferencing over telephone for provision of remote genetic services. CCSS participants will be contacted to assess their family history and candidacy for genetic testing. Those who meet NCCN criteria for cancer genetic testing or are survivors of osteosarcoma will be eligible and randomized to usual care or remote genetic services, and those in the intervention arm will undergo a second randomization to phone vs. real-time

videoconferencing.

Specific Aims:
Aim 1: To evaluate the efficacy of remote telegenetic services (telephone or videoconferencing) as compared to usual care, to increase uptake of genetic counseling, genetic testing and identification of germline genetic mutation carriers at 6 months among a national cohort of CCS.
Aim 2: To evaluate the efficacy of remote real-time videoconferencing to provide greater knowledge and recall of results, decreases in distress (state anxiety and cancer-specific distress) and higher satisfaction with genetic services as compared to telephone delivery.
Aim 3: To evaluate participant factors (e.g. personal or family history, demographics) associated with uptake of genetic services and moderators of short-term and longitudinal psychosocial outcomes and costs of services, to identify subgroups who benefit more or less from remote services and telephone or real-time videoconferencing and inform evidence based guidelines for use of remote genetic services.

Will the project require non-CCSS funding to complete? : **Yes**

If yes, what would be the anticipated source(s) and timeline(s) for securing funding? : **We are planning an October 2017 R01 submission to the NCI and Research Scholar Grant to ACS.**

Group: Does this project require contact of CCSS study subjects for:

Additional self-reported information : **Yes**

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 :

Genetics : **Secondary**

Cancer Control : **Primary**

Epidemiology / Biostatistics :

Section: Outcomes or Correlative Factors

Late mortality :

Second Malignancy : **Correlative Factors**

Group: Health Behaviors

Tobacco :

Alcohol :

Physical activity :

Medical screening : **Correlative Factors**
Other :
If other, please specify :

Group: Psychosocial

Insurance : **Correlative Factors**
Marriage : **Correlative Factors**
Education : **Correlative Factors**
Employment : **Correlative Factors**
Other :
If other, please specify :

Group: Medical Conditions

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

Group: Medications

Describe medications :

Group: Psychologic/Quality of Life

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

Group: Other

Pregnancy and offspring :
Family history : **Correlative Factors**
Chronic conditions (CTCAE v3) : **Correlative Factors**
Health status : **Correlative Factors**

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 :
Local institutional statistician : **Yes**
If local, please provide the name(s) and contact information of the statistician(s) to be involved. :
Brian Egelston, Fox Chase Cancer Center
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 :
This is a project I am leading with Angela Bradbury, MD from the University of Pennsylvania.