

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 : **Treatment Modifications and Provider Decision Making in the Management of Subsequent Breast Cancers Among Survivors of Childhood Cancer**

Planned research population (eligibility criteria) :

Women within the complete CCSS cohort who have developed a subsequent breast cancer

Proposed specific aims :

Specific Aim 1: Describe treatment received, including cumulative doses for chemotherapies and radiation, for subsequent breast cancers among female survivors of childhood cancer in the CCSS cohort and compare it to standard of care therapy, as defined by the National Comprehensive Cancer Network (NCCN) guidelines. Hypothesis: Survivors of childhood cancer will receive therapy that deviates from the NCCN standard of care and will be less likely to be treated with radiation therapy and anthracyclines.

Specific Aim 2: Compare breast cancer treatment-related toxicity, as evidenced by infectious complications, treatment delays, dose reductions and growth factor (GCSF) support, between CCSS participants with breast cancer and a control group of women with de novo breast cancer. Hypothesis: Women treated for subsequent breast cancer will experience more treatment-related toxicity

compared to women treated for de novo breast cancer.

Specific Aim 3: Survey the medical oncologists who provided care for women with subsequent breast cancer and describe how previous cancer therapy, late effects and experience treating subsequent malignancies influenced therapeutic decision making for breast cancer. Hypothesis: Oncologists' treatment decisions will be highly variable and will be strongly influenced by the survivors' previous treatment exposures.

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? :

Planning to use this study as the basis for a K07 application. If approvals in place, will plan for 10/2017 deadline, otherwise 2/2018.

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

Additional self-reported information : **No**

Biological samples : **No**

Medical record data : **Yes**

If yes to any of the above, please briefly describe. :

Will obtain medical records from treatment for subsequent breast cancer--ideally want cumulative doses of chemo, radiation records, and clinic notes outlining toxicities/delays/etc.

Will also utilize names/contacts of treating medical oncologists for Aim 3 survey.

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

Second Malignancy : **Primary**

Chronic Disease :

Psychology / Neuropsychology :

Genetics :

Cancer Control : **Secondary**

Epidemiology / Biostatistics : **Secondary**

Section: Outcomes or Correlative Factors

Late mortality : **Secondary**

Second Malignancy : **Correlative Factors**

Group: Health Behaviors

Tobacco :

Alcohol :

Physical activity :

Medical screening :

Other :

If other, please specify :

Group: Psychosocial

Insurance :

Marriage :

Education :

Employment :

Other :

If other, please specify :

Group: Medical Conditions

Hearing/Vision/Speech :

Hormonal systems :

Heart and vascular : **Correlative Factors**

Respiratory :

Digestive :

Surgical procedures :

Brain and nervous system :

Other :

If other, please specify :

Group: Medications

Describe medications :

chemotherapies/treatments used for subsequent breast cancer

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 :

Chronic conditions (CTCAE v3) :

Health status :

Group: Demographic

Age : **Correlative Factors**

Race :

Sex :

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 :