

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 : **Cause-specific mortality among childhood cancer survivors with a subsequent thyroid cancer**

Planned research population (eligibility criteria) :

All CCSS survivor participants in the original cohort who have had a secondary (subsequent) thyroid cancer, using the NDI data that was updated through 2008.

Proposed specific aims :

Background:

The 5-year relative survival rate for thyroid cancer in the U.S., based on data from SEER 2004-2010 is 98.1%.

Thyroid cancer is a common outcome among childhood cancer survivors treated with radiation that included the neck area / thyroid.

The COG does not recommend thyroid ultrasound as a routine screening test for survivors who were treated with radiation that included the neck area. Recently, there have been publications advocating screening thyroid ultrasound. The goal of this analysis is to see if cause-specific mortality for CCSS survivors with a thyroid SMN is different than in the general U.S. population.

1. Calculate standardized mortality rates for survivors with a thyroid subsequent

malignant neoplasm (SMN) using age- and sex-specific rates for the U. S. Population.

2. Calculate the 5- and 10-year survival rate for CCSS survivors with a thyroid SMN (from time of diagnosis of the thyroid SMN)

3. Estimate the cumulative mortality (all-cause and cause-specific) in survivors with a subsequent thyroid cancer.

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 : **Primary**

Chronic Disease :

Psychology / Neuropsychology :

Genetics :

Cancer Control : **Secondary**

Epidemiology / Biostatistics :

Section: Outcomes or Correlative Factors

Late mortality : **Primary**

Second Malignancy : **Primary**

Group: Health Behaviors

Tobacco :

Alcohol :

Physical activity :

Medical screening : **Correlative Factors**

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 :

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 :

Chronic conditions (CTCAE v3) :

Health status :

Group: Demographic

Age :

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 :

Kevin Oeffinger will serve as senior mentor for this project