Section: Contact Information

First Name: Dana
Last Name: Barnea, MD
Institution: Memorial Sloan Kettering Cancer Center
Address 1: 300 East 66th Street
Address 2: 
City: New York
State/Province/Region: NY
Country: US
Zip/Postal Code: 10065
Phone Number: 646-888-4730
Alternate Phone Number: 
Email Address: barnead@mskcc.org

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 :

**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