Received 11/9/09
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Project Title: Diseases of the thyroid gland associated with radiation therapy: a report from the Childhood Cancer Survivor Study
Planned research population (eligibility criteria): Entire cohort with known radiation doses; intact thyroid gland at baseline
Proposed specific aims: 1) To quantitatively evaluate the radiation-related risk of hypothyroidism, hyperthyroidism & thyroid nodules within the entire CCSS cohort. 2) To determine the modifying effect of thyroid disease on the subsequent risk of 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?:

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.:  

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

Second Malignancy values: Secondary
Chronic Disease values: Primary
Reproductive values:
Neurologic values:
Psychology / Neuropsychology values:
Genetics values:
Cancer Control values:
Epidemiology / Biostatistics values:
To describe the anticipated scope of the study, please indicate the specific CCSS data to be included as outcome (primary or secondary) or correlative factors. (Check all that apply)

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Late mortality values:
Second Malignancy values: Secondary

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Health Behaviors

Tobacco values:
Alcohol values:
Physical activity values:
Medical screening values:
Other values:
If other, please specify:

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Psychosocial

Insurance values:
Marriage values:
Education values:
Employment values:
Other values:
If other, please specify:

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Medical conditions

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

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Medications

Describe medications: thyroid hormones

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Pregnancy and offspring values:
Family History values:
### Psychologic/Quality of Life

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

### Chronic conditions (CTCAE v3) values:

- **Health status values:**

### Demographic

- **Age values:** Correlative Factors
- **Race values:**
- **Sex values:** Correlative Factors
- **Others values:**
  - If others, please specify:

### Cancer treatment

- **Chemotherapy values:** Correlative Factors
- **Radiation therapy values:** Correlative Factors
- **Surgery values:** Correlative Factors

### Anticipated sources of statistical support

- **CCSS Statistical Center:**
- **Local institutional statistician:** Array
- If local, please provide the name(s) and contact information of the statistician(s) to be involved.: We already have the data so the statistical center will not need to create another database
  - Analysts: Lene Veiga, Peter Inskip, Parveen Bhatti; Alice Sigurdson and Alina Brenner
- **Will this project utilize CCSS biologic samples?:** No
- **If yes, which of the following?**
  - **Buccal cell DNA:**
  - **Peripheral blood:**
  - **Lymphoblastoid cell lines:**
  - **Second malignancy pathology samples:**
Other requiring collection of samples:
If other, please explain:

Other general comments: