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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

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Project Title: Comparison of radiation dose reconstruction methods for subsequent neoplasm studies
Planned research population (eligibility criteria): All CCSS participants (diagnosed 1970-1986) will be included. Analyses will focus on participants who agreed to the release of their medical records to obtain information on radiotherapy, with a particular emphasis on participants who were included in the previous case-control studies of radiation dose and risk of subsequent central nervous system, breast, sarcoma, and skin neoplasms.
Proposed specific aims: Assess the validity of the "region-based" SN dose reconstruction by comparing the categorized maximum treatment dose to body regions including the SN to that obtained from the detailed dosimetry conducted for patients from previous case-control studies. The results of this analysis will provide a foundation for CCSS projects that use the region-based dose estimates.
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?: The funding for the dosimetry, analysis, and manuscript preparation comes from the Intramural Program, National Cancer Institute.

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: Primary
Chronic Disease:
Psychology / Neuropsychology:
Genetics: Secondary
Cancer Control:
Epidemiology / Biostatistics: Secondary

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)

Late mortality:
Second Malignancy: Primary

Health Behaviors

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

Psychosocial

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

Medical conditions

Hearing/Vision/Speech:
Hormonal systems:
Heart and vascular:
Respiratory:
Digestive:
Surgical procedures:
Brain and nervous system:

Other:
If other, please specify:

Medications

Describe medications:

Pregnancy and offspring:
Family History:

Psychologic/Quality of Life

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

Chronic conditions (CTCAE v3):
Health status:

Demographic

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

Cancer treatment

Chemotherapy:
Radiation therapy: Correlative Factors
Surgery:

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.:

Lindsay Morton (epidemiologist) and Joshua Sampson (biostatician)
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: