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Project Title Pulmonary complications in long-term survivors of childhood CNS tumors with craniospinal irradiation
Planned research population (eligibility criteria) Childhood CNS tumors survivors \geq 5 yrs
Proposed specific aims 1. Describe the prevalence and rates of the delayed adverse pulmonary complications in long-term survivors of childhood CNS tumors 2. To investigate whether the CNS tumors who received craniospinal radiation therapy show higher occurrence and rates of pulmonary complications compared with those who did not receive caraniospinal radiation therapy.
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 Yes
If yes to any of the above, please briefly describe. This study may need a detailed radiation therapy record including the total dose, the volume of lung tissue irradiation, and the dose rate (fractionation).

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

Second Malignancy	
Primary - No	Secondary - No
Chronic Disease	
Primary - Yes	Secondary - No
Reproductive	
Primary - No	Secondary - No
Neurologic	
Primary - No	Secondary - No
Psychology / Neuropsychology	
Primary - No	Secondary - No
Genetics	
Primary - No	Secondary - No
Cancer Control	
Primary - No	Secondary - No

Epidemiology / Biostatistics

Primary - No

Secondary - No

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

Primary - No

Secondary - No

Correlative Factors - No

Second Malignancy

Primary - No

Secondary - No

Correlative Factors - No

Health Behaviors

Tobacco

Primary - No

Secondary - No

Correlative Factors - No

Alcohol

Primary - No

Secondary - No

Correlative Factors - No

Physical activity

Primary - No

Secondary - No

Correlative Factors - Yes

Medical screening

Primary - No

Secondary - No

Correlative Factors - No

Other

Primary - No

Secondary - No

Correlative Factors - No

If other, please specify

Psychosocial

Insurance

Primary - No

Secondary - No

Correlative Factors - No

Marriage

Primary - No

Secondary - No

Correlative Factors - No

Education

Primary - No

Secondary - No

Correlative Factors - No

Employment

Primary - No

Secondary - No

Correlative Factors - No

Other

Primary - No

Secondary - No

Correlative Factors - No

If other, please specify

Medical conditions

Hearing/Vision/Speech

Primary - No Secondary - No Correlative Factors - No

Hormonal systems

Primary - No Secondary - No Correlative Factors - No

Heart and vascular

Primary - No Secondary - Yes Correlative Factors - No

Respiratory

Primary - Yes Secondary - No Correlative Factors - No

Digestive

Primary - No Secondary - No Correlative Factors - No

Surgical procedures

Primary - No Secondary - No Correlative Factors - No

Brain and nervous system

Primary - No Secondary - Yes Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Medications

Describe medications

Pregnancy and offspring

Primary - No Secondary - No Correlative Factors - No

Family History

Primary - No Secondary - No Correlative Factors - No

Psychologic/Quality of Life

BSI-18

Primary - No Secondary - No Correlative Factors - No

SF-36

Primary - No Secondary - No Correlative Factors - Yes

CCSS-NCQ

Primary - No Secondary - No Correlative Factors - No

PTS

Primary - No Secondary - No Correlative Factors - No

PTG

Primary - No Secondary - No Correlative Factors - No

Other

Primary - No

Secondary - No

Correlative Factors - No

If other, please specify

Chronic conditions (CTCAE v3)

Primary - Yes

Secondary - No

Correlative Factors - No

Health status

Primary - Yes

Secondary - No

Correlative Factors - No

Demographic

Age

Primary - No

Secondary - No

Correlative Factors - Yes

Race

Primary - No

Secondary - No

Correlative Factors - Yes

Sex

Primary - No

Secondary - No

Correlative Factors - Yes

Others

Primary - No

Secondary - No

Correlative Factors - No

If others, please specify

Cancer treatment

Chemotherapy

Correlative Factors - Yes

Radiation therapy

Correlative Factors - Yes

Surgery

Correlative Factors - No

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. Department of biostatistics in St Jude Children's Research Hospital.

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