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First Name Greg

Last Name Armstrong

Institution St. Jude Children's Research Hospital

Address 1 292 Danny Thomas Place

Address 2

City Memphis

State TN

Zip 38105

Phone 901 595 5892

Email greg.armstrong@stjude.org

Project Title Localization of CNS directed radiotherapy and neurocognitive, psychological and quality of life outcomes in survivors of CNS tumors

Planned research population (eligibility criteria) CNS tumor survivors who completed the CCSS-NCQ, BSI, and SF-36 (follow-up 2 survey)

Proposed specific aims

Primary Aim: To identify associations between segment-specific radiotherapy dose and neurocognitive, psychological, and HRQOL outcomes among adult survivors of CNS tumors

Secondary Aim: To evaluate the impact of impaired neurocognitive, psychological, and HRQOL functioning on adaptive outcomes, including education, employment, marriage, and personal income.

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

Primary - No

Secondary - No

Chronic Disease

Primary - No

Secondary - No

Reproductive

Primary - No

Secondary - No

Neurologic

Primary - No

Secondary - No

Psychology / Neuropsychology

Primary - Yes

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 - No

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 - Yes

Correlative Factors - No

Marriage

Primary - No

Secondary - Yes

Correlative Factors - No

Education

Primary - No

Secondary - Yes

Correlative Factors - No

Employment

Primary - No

Secondary - Yes

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 - No

Correlative Factors - No

Respiratory

Primary - No

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 - No

Correlative Factors - No

Other

Primary - No

Secondary - No

Correlative Factors - No

If other, please specify

 Medications

Describe medications psychotropic medication use: antidepressants, anxiolytics

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 - Yes

Secondary - No

Correlative Factors - No

SF-36

Primary - Yes

Secondary - No

Correlative Factors - No

CCSS-NCQ

Primary - Yes

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 - No

Secondary - No

Correlative Factors - No

Health status

Primary - No

Secondary - No

Correlative Factors - No

Demographic

Age

Primary - No

Secondary - Yes

Correlative Factors - No

Race

Primary - No

Secondary - Yes

Correlative Factors - No

Sex

Primary - No

Secondary - Yes

Correlative Factors - No

Others

Primary - No

Secondary - No

Correlative Factors - No

If others, please specify

Cancer treatment

Chemotherapy

Correlative Factors - No

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.****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