

Received 6/25/08

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Project Title Genetic Polymorphisms and Metabolic Outcomes in Childhood Leukemia Survivors
Planned research population (eligibility criteria) Acute Lymphoblastic Leukemia survivors with buccal smear DNA

Proposed specific aims 1. Describe patterns of obesity, diabetes, hypertension, and dyslipidemia in childhood ALL survivors. 2. Identify treatment and demographic characteristics that predict metabolic outcomes in childhood ALL survivors. 3. Determine whether pre-selected genetic polymorphisms are associated with the development of metabolic outcomes in childhood ALL survivors (panel of selected polymorphisms not yet finalized).

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?

Institutional resources or private foundation grant, anticipate securing funding by December 2008

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 - Yes Secondary - No

Reproductive

Primary - No Secondary - No

Neurologic

Primary - No Secondary - No

Psychology / Neuropsychology

Primary - No Secondary - No

Genetics

Primary - No Secondary - Yes

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 - Yes

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 - 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 Primary outcomes: obesity (BMI), diabetes (medication), hypertension (medication), dyslipidemia (medication)

Medications

Describe medications Medications for diabetes/insulin resistance, hypertension, and dyslipidemia

Pregnancy and offspring

Primary - No Secondary - No Correlative Factors - No

Family History

Primary - No Secondary - No Correlative Factors - Yes

Psychologic/Quality of Life

BSI-18

Primary - No Secondary - No Correlative Factors - No

SF-36

Primary - No Secondary - No Correlative Factors - No

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 - No

Secondary - No

Correlative Factors - No

Health status

Primary - No

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 - Yes

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?** Yes

If yes, which of the following?

Buccal cell DNA Yes**Peripheral blood****Lymphoblastoid cell lines**

**Second malignancy pathology samples
Other requiring collection of samples
If other, please explain**

Other general comments