

Section: Contact Information

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Section: Project Requirements and Description

Group: 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

Project Title : **Racial variations in Renal Function in Long term Follow-up of Children Undergoing nephrectomy for Wilms Tumor**

Planned research population (eligibility criteria) :
CCSS participants with a history of Wilms Tumor

Proposed specific aims :

Recent studies have demonstrated that Glomerular Filtration Rate (GFR) declines on average a decade earlier in blacks than in persons of Caucasian decent, with statistically significant rates of decline beginning as early as 35 years of age. Rapid renal function decline and projected kidney failure is also more prevalent in blacks than age matched Caucasians. Diabetes, hypertension, and albuminuria account for only some of these observed differences, additional attribution of risk may be correlated to racially variant genes (e.g. apolipoprotein L1). Although total nephrectomy in non-syndromic Wilms tumor cases is associated with a low rates of renal failure (0.6%), no study to date has reported racially specific rates of end stage renal disease (ESRD). We aim to: 1. Compare the incidence rate of self-reported nephrotoxicity in black survivors of Wilms tumor compared to other racial subgroups, 2) Identify other factors that may interact with the association of race and nephrotoxicity.

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? :

Group: 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. :

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

Second Malignancy :

Chronic Disease : **Primary**

Psychology / Neuropsychology :

Genetics :

Cancer Control :

Epidemiology / Biostatistics :

Section: Outcomes or Correlative Factors

Late mortality : **Secondary**

Second Malignancy :

Group: Health Behaviors

Tobacco :

Alcohol :

Physical activity :

Medical screening :

Other :

If other, please specify :

Group: Psychosocial

Insurance :

Marriage :

Education :

Employment :

Other :

If other, please specify :

Group: Medical Conditions

Hearing/Vision/Speech :

Hormonal systems :

Heart and vascular :

Respiratory :

Digestive :

Surgical procedures :

Brain and nervous system :

Other : **Primary**

If other, please specify : **Renal Failure, Primary endpoint**

Group: Medications

Describe medications :

Group: Psychologic/Quality of Life

BSI-18 :

SF-36 :

CCSS-NCQ :

PTS :

PTG :

Other :

If other, please specify :

Group: Other

Pregnancy and offspring :

Family history :

Chronic conditions (CTCAE v3) :

Health status :

Group: Demographic

Age : **Correlative Factors**

Race : **Correlative Factors**

Sex : **Correlative Factors**

Other :

If other, please specify :

Group: Cancer treatment

Chemotherapy :

Radiation therapy :

Surgery : **Correlative Factors**

Section: 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. :
If needed will use the Yale Keck Center for Biostatistics

Will this project utilize CCSS biologic samples? : **No**

If yes, which of the following? : **Other requiring collection of samples**

If other, please explain :

Section: Other General Comments

Other General Comments :