

## National Wilms' Tumor Late Effects (COG 4941L)

IRB# 1996-005

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### Synopsis:

The objectives of this study are:

1. To determine the incidence of life-threatening medical conditions in survivors of Wilms tumor; specifically a) congestive heart failure; b) second malignant neoplasms (SMNs); c) renal failure; and d) chronic restrictive pulmonary disease. To relate the risks of these events to the type and amount of radiation and chemotherapy received, to disease factors and to host factors. To compare the incidence of SMNs to that expected from national rates.
2. To determine mortality rates in former Wilms tumor patients, and to compare these with age, calendar period and sex-specific national population rates.
3. To determine the risks of serious pregnancy complications and adverse reproductive events in survivors of Wilms tumor, and to correlate their occurrence with the type and amount of radiation and chemotherapy. To compare birth rates with those from national statistics.
4. To determine the frequency of Wilms tumor and other cancers in the children and other family members of Wilms tumor patients. Specifically, a) to estimate the risk of Wilms tumor in siblings and offspring; and b) to identify familial cancer syndromes that may involve Wilms tumor patients.
5. To extend the current Late Effects Study to include patients treated on the latest therapeutic protocol of the National Wilms Tumor Study Group (NWTS-5, accrual 1995-2002) and to enroll patients' offspring as study participants.
6. To serve as a case-finding resource, identifying the most informative subgroups of Wilms tumor patients for use by molecular biologists studying mutations in identified or prospective Wilms tumor genes including genes for familial Wilms tumor.