

# Chronic Disease Working Group 2007

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## Approved Concept Proposals (1)

- Genetic polymorphisms and cardiac events- Blanco/Bhatia and Aplenc; Manuscript submitted
- Trends in obesity in ALL- Garmey/Oeffinger; Manuscript submitted
- Prevalence and risk factors for of DM- Meacham/Oeffinger; Manuscript completed
- Dental outcomes- Kaste; Manuscript in preparation
- Osteonecrosis- Kadan-Lottick/Sklar; Manuscript in preparation
- Auditory/speech complications-Fowler/Mertens; Manuscript in preparation
- Screening for HCV-Lansdale/Oeffinger; Manuscript in preparation
- Psychosexual function/premature menopause- Ford/Sklar; analysis underway
- Cardiac outcomes- Mulrooney/Yeazel; analysis underway
- Long-term outcomes after BMT/TBI- Baker/Sklar/Robison; analysis underway
- Radiosensitivity of ovary- Wallace/Sklar/Green; analysis underway
- Abnormal menarche in CNS-Armstrong; analysis underway

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## Approved Concept Proposals (2)

- **BMT outcomes-Baker;awaiting analysis**
- Anthracyclines, GH , and cardiac outcomes – Sklar; awaiting data
- Morbidity/Mortality underweight- Meacham/Oeffinger; awaiting data
- Cluster of cardiovascular risk factors- Meacham/Oeffinger; awaiting data
- Male gonadal/psychosexual function-Meacham/Ford; awaiting data (LAF grant)
- Cataracts-Chodick; awaiting dosimetry
- Health conditions in survivors who were infants at dx-Vrooman; awaiting data

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## Approved Concept Proposals (3)

- Disease-specific-
  - AML- Mulrooney/Davies; Manuscript submitted
  - ALL- Mody/Neglia; Manuscript submitted
  - NHL –Bluhm/Inskip; Manuscript submitted
  - Neuroblastoma- Laverdiere/Sklar; Manuscript in preparation/near completion
  - Ewing sarcoma- Ginsberg/Oeffinger; analysis underway
  - OS- Nagarajan/Marina; analysis underway
  - HD-Castellino/Hudson; awaiting data
  - CNS- Armstrong/Packer; awaiting data

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## Concept Proposals Under Development

- Surgical outcomes (GI, pulmonary)- Janson/Kadan-Lottick, Glick/Burnweit
- Late Hospitalization- Kurt/Neglia
- Wilms-Tersak/Green

# Future work

- 2007 follow-up survey analyses of interest
  - Cardiac/cardiovascular/stroke
  - Surgical outcomes
  - Physical function / Fatigue
  - GI and renal outcomes
    - GI symptoms / treatment-related RF analysis
    - Outcome of hepatitis and progression to cirrhosis
  - Infectious/immune

# Expanded cohort

- Does the change in therapy decrease (or increase) risk of chronic disease morbidity?
  - HD mortality and SMN
  - Thyroid disease
  - Cardiac / Vascular events / Stroke
  - Hearing
  - Musculoskeletal outcomes
  - Organ transplant/ Renal Transplant / dialysis
- Report on organ toxicity from “newer” therapies
  - Ifos vs. cyclo
  - carbo vs. cisplatin
  - Transplant outcomes

# Expanded cohort

- Changes in health status of siblings over time
  - BMI
  - CVS/metabolic syndrome
  - Malignancies
- Generate list of important endpoints to compare to baseline of original
- Document changes in therapeutic exposures over this 30 year of time



# Future Questionnaires

- Consent (?) to link to Medicare Claims Database
- Essential to get input from geriatricians/adult providers re which outcomes to capture
- How do survivors differ from controls re serious medical complications (eg, MI's strokes)?

# Public use database

- Key outcomes
  - Based prior publications
  - Reliability of outcome; corroboration with medications, etc
- Level detail
  - Age at onset
  - Latency from exposure
  - Exposures
- HIPPA considerations