ARIC MANUSCRIPT PROPOSAL # 694

PC Reviewed: 09/07/99    Status: Approved    Priority: 2
SC Reviewed: ________    Status: _____    Priority: _____

1.a. Full Title:

Association of Coagulation Factors and Albumin with Cancer Incidence

b. Abbreviated Title (Length 26):

Coag F, Albumin, & Cancer

2. Writing Group (list individual with lead responsibility first):

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3. Timeline:

Begin fall 1999
4. **Rationale:**

Several acute phase proteins are elevated with cancer. There are few prospective data on whether such proteins are elevated prior to cancer onset, or the time course of elevation. Previous ARIC analyses showed fibrinogen related to cancer mortality, a finding now to be extended to cancer incidence. In so far as numbers allow, we’ll look at some specific cancer sites (e.g., lung, colon).

5. **Main Hypothesis:**

Fibrinogen and factor VIII are positively associated and albumin negatively associated with cancer risk.

6. **Data (variables, time window, source, inclusions/exclusions):**

Dependent: cancer incidence data.
Independent: fibrinogen, VIII, albumin, and perhaps a few others from Visit 1 (e.g., total protein, WBC).
Covariates: lifestyle variables from Visit 1.