

## ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #159

1. Title (length 26):

ARIC Hemostasis Study IV

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

(lead) Stinson      Chambless      Wu

3. Timeline:

07/21/92:              Submit proposal to Publications Committee

                            Begin manuscript upon arrival

12/01/92:              Submit 1st draft to committee

03/01/93:              Submit to journal

4. Rationale:

Epidemiological studies have shown positive correlation between some of the coagulation proteins (Fibrinogen, Factor VII, Factor VIII) and Coronary Artery Disease (CAD). The intra-individual reliability and variance of the methods used to measure these proteins has previously been established. Within the past 3-5 years the ability to measure molecular markers of thrombosis and hemostatic activation has become highly developed. These markers (FPA, B-TG, PF4, PAI-1, t-PA, D-Dimer, & Total and Free Protein S) along with coagulation proteins may be useful in the early detection and subsequent management of CAD, and therefore may serve a practical use in a clinical setting. However, the intraindividual variability and the variance of methods used to measure these markers has yet to be determined. The IIV study investigates these issues.

5. Main Hypothesis:

For analysis of the relationship between hemostatic markers and atherosclerosis it is important to estimate the degree of between-person and method variability of these markers.

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

Assay of the variables was completed.

Preliminary analysis has been performed by Dr. Chambless.

Ready to write manuscript.