

## ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #425

1. a. Full Title: Fibrinogen and Hypertension  
b. Abbreviated Title: Fibrinogen-Hypertension

2. Writing Group:

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3. Timeline: Analyses can begin soon.

4. Rationale:

A number of cross-sectional studies have shown a positive association between fibrinogen and blood pressure. The most logical mechanism is via increased viscosity. However, the association may be confounded by other fibrinogen correlates (e.g., BMI, alcohol, physical activity, etc.) Prospective studies are warranted but none exist.

5. Main Hypothesis:

Fibrinogen is positively associated with incident hypertension through exams 2 and 3.

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

Exclusion: Visit 1 hypertension.

Independent variable: Baseline fibrinogen concentration.

Dependent variable: Incident hypertension from Visits 2 and 3. Also may consider BP change, although medications confound.

Covariates: Age, race, field center, sex, baseline BP, BMI, waist/hip, alcohol, smoking,

physical activity, hematocrit, BP medications, parental history of hypertension.