

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #003A

1. Title:

The Relationship Between Arterial Distensibility and Cardiovascular Disease Risk Factors: The ARIC Study

2. Objective:

Describe the associations between CVD risk factors and carotid artery distensibility in middle-aged adults.

3. Lead:

G. Burke

4. Variables:

Race, age, gender, blood pressure, lipids, lipoproteins and apolipoproteins, smoking, education, body size (BMI), fasting glucose, fast insulin, fibrinogen, alcohol, physical activity, antihypertensive medication, pulse pressure, EP, diameter change, Young's elastic modulus.

5. Proposed Analyses:

Analysis 1 Age, Race, Sex * EP

Analysis 2 The prevalence of missing distensibility data by age, race, gender, body size, and center

Analysis 3 EP vs. Age-adjusted Risk Factors (overall and stratified by race/gender groups)

Analysis 4 Multivariable analyses of the data assessing for independent associations between risk factors and EP.