

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #366

1. Title: Glycoproteins - Carotid IMT

2. Writing Group:

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3. Timeline:

Manuscript in early 1996

4. Rationale:

ARIC has previously found an association between carotid IMT and serum sialic acid. A major proportion of sialic acid is carried in glycoproteins (orosomucoid, haptoglobin, and α 1-antitrypsin), several of which are acute phase reactants. Using samples left over from the sialic acid measures, these three acute phase proteins have been analyzed.

5. Main Hypothesis:

Orosomucoid, haptoglobin and α 1-antitrypsin are associated positively with IMT case-control status and explain the sialic acid relation.

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

Dependent variable: ultrasound case-control status from Visit 1.

Independent variable: Above mentioned variables plus other risk factors for carotid atherosclerosis from Visit 2.