ARIC MANUSCRIPT PROPOSAL

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Manuscript #: 039

Date Received: 11/08/89         Date Approved: 11/15/89         Priority: 4

1. Title:

   Ultrasound, family history

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

   (lead) Harris   Kevl
   Szklo          CC Representative
   Nieto

3. Timeline: Could be started immediately

4. Rationale: Previous studies have shown familial aggregation for clinical CHD mainly when disease at relatively young ages (e.g., below 50). If familial history is a risk factor for clinical disease, it should be seen more clearly in subclinical disease.

5. Main Hypothesis: Parental history of cardiovascular disease is an independent risk factor for ultrasound defined Atherosclerosis. Positive family history in addition, interacts with other risk factors, including age and the “classical” factors, to produce atherosclerosis.

6. Data (variables, time window, source, inclusions/exclusions): Baseline data from Visit 1. Data needed for adjustment and/or interaction analyses include family history of C.V. diseases for ultrasound cases and controls, age, smoking, cholesterol and blood pressure. To adjust for access to medical care (which may affect knowledge of a positive family history), a measure of socio-economic status is also needed, such as educational level. Data are available for analysis. Time line depends on assignment of priority.