

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #144

1. Title:

Homocyst(e)ine and atherosclerosis

2. Writing Group:

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3. Timeline:

Immediately (analyses are done and a preliminary draft of the paper is ready).

4. Rationale:

Homocyst(e)ine has been found associated with clinical cardiovascular outcomes in cross-sectional and prospective studies. These associations were independent of other risk factors. An ancillary study to study the association between homocyst(e)ine levels and carotid wall thickness was approved. Sera from a sample of ARIC ultrasound cases and controls (287 pairs) was sent to Malinow's lab in Oregon for determination of homocyst(e)ine.

5. Main Hypothesis:

Homocyst(e)ine is an independent risk factor for atherosclerosis.

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

Homocyst(e)ine (as determined by Malinow) and major cardiovascular risk factors (smoking, blood pressure, lipids, etc.).

287 matched ultrasound cases and controls.