

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #194A

1. Title (length 26):

Serritin Ferritin and Ox-LDL

Full Title: Serum Ferritin, Serum Vitamin E, and Dietary Vitamin C: Relationship with LDL Resistance to Oxidation and Autoantibodies Against MDA-LDL

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

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3. Timeline:

Data analysis: 05/97

Manuscript preparation: 06/97

Circulate to co-authors: 07/97

4. Rationale:

Salonen has postulated that high serum ferritin may be a new cardiovascular risk factor, but his findings in the KIHD have not been replicated in American cohorts.

5. Main Hypothesis:

High ferritin levels will be associated with a shorter lag-phase of LDL oxidation and with higher titers of MDA/LDL

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

Case-control sample (1990-92): ferritin, time Vmax, ML96, =l -tocopherol. Sex, age, Visit 2 data, ARIC field center, BMI, WHR, total cholesterol, education level, smoking, alcohol, hypertension, diabetes, vitamin supplement use, triglycerides, hemoglobin, dietary iron, sialic acid.

No exclusions.