**ARIC Manuscript Proposal # 799**

**PC Reviewed: 05/01/01** **Status: A** **Priority: N/A**
**SC Reviewed: _____** **Status: _____** **Priority: ____**

**1.a. Full Title:** Coronary Artery Calcification and Risk Factors

**b. Abbreviated Title (Length 26 characters):** Coronary Calcium Associations

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

**Lead:** Aaron Folsom
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Writing group members: Greg Evans, Jeff Carr (WFU), Arthur Stillman (UMN)

**3. Timeline:** draft 6/01

**4. Rationale:** Coronary artery calcification (CAC) measured by CT is a noninvasive marker of coronary atherosclerosis. This paper will look at the associations of traditional and several nontraditional risk factors with coronary calcification in the subsample assessed in Forsyth and Minnesota in 1999-2000.

**5. Main Hypothesis/Study Questions:** Are traditional and nontraditional risk factors already measured by ARIC associated with CAC?

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

This is an ancillary study done in two centers.
Inclusions: CAC sample
Dependent: CAC score
Independent: virtually all of the non-genetic risk factors measured by ARIC. We will also look at other subclinical markers (IMT, ABI, LVH, etc.)
Covariates: age, sex, center
Analysis: primarily ANCOVA looking at mean risk markers by CAC group.

**7.a. Will the data be used for non-CVD analysis in this manuscript? ____ Yes __x__ No**

**b. If Yes, is the author aware that the file ICTDER02 must be used to exclude persons with a value RES_OTH = "CVD Research" for non-DNA analysis, and for DNA analysis RES_DNA = "CVD Research" would be used? ____ Yes ____ No**

(This file ICTDER02 has been distributed to ARIC PIs, and contains the responses to consent updates related to stored sample use for research.)

**8.a. Will the DNA data be used in this manuscript?** **____ Yes _x___ No**

**8.b. If yes, is the author aware that either DNA data distributed by the Coordinating Center must be used, or the file ICTDER02 must be used to exclude those with value RES_DNA = "No use/storage DNA"?** **____ Yes ____ No**

**9. The lead author of this manuscript proposal has reviewed the list of existing ARIC Study manuscript proposals and has found no overlap between this proposal and previously approved manuscript proposals either published or still in active status.** ARIC Investigators have access to the publications lists under the Study Members Area of the web site at: http://bios.unc.edu/units/cscc/ARIC/stdy/studymem.html

___x___ Yes _____ No