

## ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #383

1. Title:

Intra-Individual Variability Study for Retinal Photography - The ARIC Study

2. Writing Group:

(lead) Jianwen Cai, Paul Sorlie, Lawton Cooper, Larry Hubbard, Rose Brothers, Javier Nieto, Ron Klein

3. Address:

Collaborative Studies Coordinating Center  
Department of Biostatistics, UNC School of Public Health,  
137 E. Franklin Street, Suite 203, CB# 8030  
Chapel Hill, NC 27514  
Phone: (919) 962-3225 FAX: (919) 962-3265  
Email: uccjwc.csc@mhs.unc.edu

4. Timeline:

Submit Proposal to Publications Committee	4/10/96
Complete analysis	7/10/96
Submit first draft to Publications Committee	11/10/96
Submit to Journal	2/10/96

5. Rationale:

Total measurement variance would be broken into components: between person, within person, and method. Coefficients of repeatability would be presented. The measurements being studied in ARIC would be compared for repeatability between themselves and with other published studies, and the effects on the use of the variables in CVD epidemiology would be discussed. We will also compare the variance of measurements between two eyes within a person to that for the same eye within visit. Light box measures of arteriolar narrowing and AV nicking will also be considered in the manuscript.

6. Main Hypothesis:

This is a descriptive study; see Rationale.

7. Data:

Only data gathered in the ARIC Retinal IIV Study and inter- and intra-reader quality control data would be used.