ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #458

1. Title: Hyperdynamic Circulation and Hypertension

2. Writing Group:

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3. Timeline:

   January 1997 to December 1997

4. Rationale:

   Hyperdynamic circulation has been postulated as an early feature of insulin resistance. Its role on the risk of hypertension, however, is not well examined.

5. Main Hypothesis:

   The purpose of the proposed analysis is to examine the cross-sectional association of hyperdynamic circulation (defined by pulse pressure and heart rate) with insulin resistance, and to study the relationship of baseline hyperdynamic circulation to the subsequent incidence of hypertension.

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

   Baseline data: age, sex, gender, race, filed sites, body weight, height, heart rate, blood pressure, serum lipids, serum insulin and glucose levels, history of alcohol drinking, physical activity and antihypertensive medication.
Blood pressure, antihypertensive medication use in 3- and 6-year follow-up.