

ARIC MANUSCRIPT PROPOSAL FORM

FOR ADMINISTRATIVE USE

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Date Approved:

Prty:

1. Title (length 26): Fatty acids & insulin
2. Writing Group (list individual with lead responsibility first):

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 J. Ma

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3. Timeline: Paper to be drafted immediately.
4. Rationale: In rats, increased dietary fat intake promotes insulin resistance. In humans, data are not as convincing. A few recent epidemiologic studies have suggested that saturated fat intake may increase insulin resistance or insulin levels.
5. Main Hypothesis: Plasma fatty acid levels of saturated fatty acids are positively associated and polyunsaturated fatty acids are negatively associated with serum insulin.
6. Data (variables, time window, source, inclusions/exclusions):

 Uses the Minneapolis ancillary data on fatty acids and Visit 1 data

 Dependent variable: serum insulin

 Independent variable: plasma fatty acids

 Covariates: Age, BMI, other variables associated with plasma insulin