

ARIC MANUSCRIPT PROPOSAL FORM

Manuscript #483

1. Full Title: NSAIDs and Cognition

Abbreviated title (length 26): NSAIDs and Cognition

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

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3. Timeline:

Summer 1997

4. Rationale:

Recent studies have indicated a significant protective association of prescription NSAIDs and (to a lesser extent) Aspirin in both incidence and progression of Alzheimer+s disease. There are 2 studies addressing role of NSAIDs on cognitive function, 1 prospective (Ann Epidemiol 1997;7:87-94) and 1 X-sectional (Neurology 1995;45: 1441-5.), showing little to no protective association.

5. Main Hypothesis:

Compared to non-use, use of NSAIDs and/or Aspirin is associated with better cognitive function at visit 2.

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

Independent variables: NSAID and ASA use (obtained from visit 2 med survey and/or AMH questionnaire to determine duration of use).

Dependent variables: Cognitive function W at visit 2-- 1) Word recall; 2) Digit/Symbol; 3) Word Fluency.

Covariates: age, race, sex, center, education, marital status, employment status, depression score, smoking, hypertension, diabetes, fibrinogen, carotid artery wall thickness, FEV-1, HRT.