

that the platelets participate in the development of most ischemic strokes (5-7). There is little information about the relationship of endothelial, fibrinolytic or platelet markers in MRI-detected small brain infarcts.

- 1 Catto AJ, Grant PJ. Risk factors for cerebrovascular disease and the role of coagulation and fibrinolysis. Blood Coagul Fibrinolysis 1995;6:497-510.
2. Smith et al. Hemostatic factors as predictors of ischemic heart disease and stroke in the Edinburgh Artery Study. Arterioscler Thromb Vasc Biol 1997;17:3312-3325.
3. Folsom AR et al. Prospective study of markers of hemostatic function with risk of ischemic stroke. Circulation 1999;100:736-742.
4. Knuiman MW et al. Association of hemostatic variables with MRI-detected cerebral abnormalities: the ARIC study. Neuroepidemiology 2001;20:96-104.
5. Taomoto K et al. Usefulness of the measurement of plasma BTG in cerebrovascular disease. Stroke 1983;14:518-524.
6. Shah AB et al. Enhanced in vivo platelet activation in subjects of ischemic stroke. Stroke 1985;16:643-647.
7. Woo E et al. Beta-thromboglobulin in cerebral infarction. J Neurol Neurosurg Psychiatry. 1988;51:557-562.

5. Main Hypothesis/Study Questions: a) Higher plasma levels of B-TG, DD, and lower plasma levels of plasminogen and thrombomodulin are associated with excess intravascular thrombogenesis in subjects with MRI infarcts.

6. Data (variables, time window, source, inclusions/exclusions): Visit 3 MRI data will be related to visit 3 measures of BTG, t-PA, Plasminogen, PAI-1, D-dimer, soluble thrombomodulin, TMA455V, vWf and CRP. Major risk factors will be adjusted for using logistic regression.

7.a. Will the data be used for non-CVD analysis in this manuscript? ___ Yes ___ 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 ___ 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/csc/ARIC/stdy/studymem.html>

Yes No