

Letter to the Editor

Authors' Response to "Barometric Pressure in Cerebral Amyloid Angiopathy: A Pressure to Bleed?"

The authors thank Dr. Vilanilam et al' comments to our recent article entitled "The Influence of Weather on the Incidence of Primary Spontaneous Intracerebral Hemorrhage (sICH)". A study exclusively examining the influence of weather on patients with possible/probable cerebral amyloid angiopathy (CAA) may be helpful, although one would have to assume that elevations in blood pressure play no role in causing sICH in these patients. Furthermore, establishing a priori knowledge of normotension and CAA pathology would be difficult, and would require a large study population with serial blood pressure monitoring and MRI scans limiting feasibility. As stated in our paper, we did not find differences in mean or change in barometric pressure between hypertensive and CAA-related hemorrhages. Furthermore, since our study only looked at primary sICH patients, warfarin-related hemorrhage was excluded by definition. It is possible that prior antiplatelet therapy may be confounding our results for CAA-related pathology given

the associated elevation in hemorrhage risk. A larger study correcting for this variable may be helpful in the future.

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