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## BRIEF COMMUNICATION

**Online only:** The following articles can be accessed in the electronic version of this issue at [onlinelibrary.wiley.com](http://onlinelibrary.wiley.com)

**e1**

### **Abnormal temporal lobe morphology in asymptomatic relatives of patients with hippocampal sclerosis: A replication study**

Siti Nurbaya Yaakub, Gareth J. Barker, Sarah J. Carr, Eugenio Abela, Michalis Koutroumanidis, Robert D. C. Elwes, and Mark P. Richardson

doi: 10.1111/epi.14575; Published online: 15 October 2018

Using T1-weighted MRI in 19 mTLE patients, 14 first-degree asymptomatic relatives and 32 healthy control participants, we replicated previously reported cortical surface area contractions in the ipsilateral anterior temporal lobe in both mTLE patients and asymptomatic relatives compared to healthy controls, with relatives showing similar but less extensive changes than patients. These findings suggest morphological abnormality in asymptomatic relatives of mTLE+HS patients, suggesting an inherited brain structure endophenotype.

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### **Evidence for a genetic effect in altered cortical surface area but not in cortical thinning in siblings of patients with mesial temporal lobe epilepsy**

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