

Epilepsy 2

OS3207

Long-term follow-up of genetic generalized epilepsy with typical absence seizures and generalized paroxysmal fast activity in adulthood

Z. Aydın Özemir^{1,2}, Z. Matur^{1,3}, N. Bebek¹, C. Gürses¹, A. Gökyiğit¹, B. Baykan¹

¹*Department of Neurology, Clinical Neurophysiology Unit, Istanbul University, Epilepsy Center (EPIMER) and Istanbul Faculty of Medicine,* ²*Department of Neurology, Memorial Atasehir Hospital,* ³*Department of Neurology, Istanbul Bilim University, Istanbul, Turkey*

Introduction: Generalized paroxysmal fast activity (GPFA), a rhythmic EEG pattern of unknown significance was reported in a few patients with genetic generalized epilepsy (GGE) presenting with typical absence seizures (TAS). Our aim was to report the long-term follow-up and genetic findings in GGE patients with TAS having GPFA in their EEG.

Methods: We had investigated all EEGs of the adult GGE patients with TAS between the years of 1997 and 2002 for another study and eventually recorded GPFA in 12 of them. Afterwards these patients were followed up for their clinical and electroencephalographic course and their genetic features were also investigated. The control group was composed of 24 adult GGE patients who also had TAS without GPFA with similar follow-up duration in the same epilepsy center.

Results: Durations of epilepsy and TAS were significantly longer in the GPFA group. There is no significant difference between the groups in comparison of the electroclinical characteristics except EEG photosensitivity, which was significantly common in GPFA Group. The age at detection of GPFA was 33 ± 16.6 (16-71) and 80% still have GPFA in their last EEG. 60% of the GPFA group had consanguineous parents whereas only 4.17% had consanguinity in the Control Group. Five relatives with epilepsy from GPFA Group were also evaluated but GPFA could not be seen in their 30 evaluated EEGs. We could not show the responsible mutations.

Conclusions: GPFA is an ignored EEG pattern of adult GGE patients with TAS, indicating life-long course for epilepsy and TAS.

Disclosure: Nothing to disclose