



Epilepsy: Causes, Symptoms, Diagnosis, and Treatment

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Message from the Guest Editor

Dear Colleagues,

Epilepsy is a diffuse neurological condition with a remarkable impact on public health. Acknowledging its paramount importance, the 75th World Health Assembly adopted the Intersectoral Global Action Plan on Epilepsy and Other Neurological Disorders 2022–2031 (IGAP) on May 27. The incidence of epilepsy follows a U-shaped bimodal distribution, with peaks in early infancy and in the elderly. About 70% of people with epilepsy can enter seizure freedom with treatment. Nevertheless, both diagnostic and treatment gaps exist in every country in the world. To optimize epilepsy management, the awareness of the heterogeneous etiologies and of the variable seizure semeiology should be disseminated at the public level. A shared diagnostic algorithm should be pursued. Advanced neuroimaging and molecular diagnostics may indeed suggest tailored treatment in selected patients, as a precision medicine approach. The present Special Issue aims to collect innovative single reports and case series, critical reviews, out-of-the box viewpoints, and experimental findings focused on the diagnosis, management, and treatment of epilepsy with a focus on the future.





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