



Recent Advancements in Diagnosis and Management of Epilepsy Patients

Guest Editor:

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Message from the Guest Editor

Advances in epilepsy diagnosis and management started 100 years ago when Hans Berger invented scalp EEG. Since then, the field of epilepsy has evolved from providing a description of focal and generalized seizures to defining pathophysiology, classification, localization, use of epileptic drugs, and surgical treatments in the management of epilepsy. Research continues to unravel the mechanisms of epileptogenesis at the cellular and molecular levels with the aim of devising better treatment strategies. Long-term monitoring with simultaneous collection of EEG data and video has allowed for improved characterization of seizure semiology and a definitive separation of epileptic from nonepileptic behaviors. It has also opened the possibility of surgical intervention to far greater numbers of patients. Advancements in brain imaging techniques present a unique opportunity to better characterize the nature of epileptogenic lesions and have provided novel insight into management strategies.

This Special Issue of IJERPH will focus on the advances in the field of epilepsy over the last decade and their impact on the diagnosis and management of epilepsy patients.





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Message from the Editor-in-Chief

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