



## Editorial

## Editor's Message

Man Mohan Mehndiratta<sup>1</sup> Lakshmi Ranganathan Narasimhan<sup>2</sup> Arushi Gahlot Saini<sup>3</sup><sup>1</sup> Department of Neurology, Centre for Neurosciences, B. L. Kapur Hospital (Max Health Care Group), New Delhi, India<sup>2</sup> Department of Neurology, Sri Ramachandra Medical College, Chennai, Tamil Nadu, India<sup>3</sup> Division of Pediatric Neurology, Department of Pediatrics, Postgraduate Institute of Medical Education and Research, Chandigarh, India

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Welcome to the second 2025 issue of the *International Journal of Epilepsy*! As an editorial team, we are delighted to present this edition, which expands our reach and fosters global collaboration in epilepsy research and clinical practice.

With heavy hearts, we remember **Prof P.A Mohammed Kunju** and invite you to read his heartfelt obituary in this issue by Prof Mini S - —a tribute to a life that touched so many. This issue features two thought-provoking reviews on pediatric epilepsy. The comprehensive review on developmental and epileptic encephalopathies (DEEs) by Vinayan et al provides an overview of well-established DEE syndromes and highlights available precision therapies, assisting clinicians in the effective evaluation and management of affected children. The second review, by Valaparambil et al, explores the intricate relationship between autism spectrum disorder and epilepsy, focusing on shared neurobiological features such as synaptic dysfunction and imbalances in excitation and inhibition, and discussing the implications for understanding their co-occurrence.

In today's technologically advanced era, the *In the Spotlight* section on innovations in epilepsy, by Prof. Lakshmi Narasimhan Ranganathan, highlights recent developments in epilepsy care. This includes innovations in pharmacological therapies, surgical techniques, neurostimulation methods, and technological advances aimed at seizure prediction and monitoring.

The original study by Anguelova et al, from the Netherlands, investigates the challenges and potential of automated detection of interictal epileptiform discharges using deep learning algorithms. While integrating artificial intelligence into clinical practice holds promise, this research emphasizes the need for further refinement to

achieve accuracy comparable to expert human analysis. Shifting to genetic insights, Saadi et al investigate the molecular underpinnings of infantile-onset epilepsy in Iraqi children. With a high diagnostic yield and a predominance of autosomal recessive inheritance, their findings provide valuable data for clinicians in similar regions and underscore the importance of genetic testing in early-onset epilepsy. The study by Shivde et al, from India, evaluates the clinical, neuroimaging, and electroencephalographic profiles of patients with isolated nocturnal seizures, concluding that nocturnal seizures may disrupt sleep architecture and impair quality of life.

We also present interesting cases in the *Neuroimage of the Month* (neurofibromatosis type-1) and *EEG of the Month* (idiopathic generalized epilepsy) sections. To further engage readers, we are pleased to introduce another series of MCQs in this issue, encouraging participation to deepen understanding of this complex and evolving field. Additionally, we feature abstracts from ECON-2025, held from August 21 to 24, 2025, in Chennai, India. This premier national conference, organized by the Indian Epilepsy Association and Indian Epilepsy Society, showcased cutting-edge research and clinical advancements in epilepsy care.

Collectively, the articles in this issue underscore the multifaceted nature of epilepsy and ongoing advancements in research and clinical practice aimed at improving the lives of individuals affected by this condition. We hope this issue serves as a valuable resource for clinicians, researchers, and all those dedicated to the field of epilepsy.

Sincerely,  
**The Editorial Team**

Address for correspondence  
Man Mohan Mehndiratta, MD,  
DNB, DM (Neurology), FAAN,  
FANA, FAMS, FRCP, FICP, FIAN,  
FIACM, Department of Neurology,  
Centre for Neurosciences, B. L.  
Kapur Hospital (Max Health Care  
Group), New Delhi 110005, India  
(e-mail: editorijep@gmail.com).

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