

Course 2 **Genetics for Paediatric Neurologists**

Course description

This educational activity is designed to enhance paediatric neurologists' knowledge and clinical competence in the application of medical genetics to the diagnosis and management of paediatric neurological disorders.

Learning objectives (after completing this activity, participants will be able to:)

- Recognize clinical features suggestive of genetic etiologies in paediatric neurological conditions.
- Select appropriate genetic testing strategies for epilepsy and neurodevelopmental disorders.
- Interpret genetic test results, including variants of uncertain significance, in a clinical context.
- Integrate genetic findings into patient management, counselling, and precision-based treatment decisions.

Statement of educational need

Advances in genetic technologies have significantly expanded diagnostic and therapeutic options in paediatric neurology. This activity addresses the need for structured education to support clinicians in incorporating genetic information into routine clinical practice.

Educational outcomes

Participation in this activity is expected to improve clinicians' ability to apply genetic principles to patient care, leading to more accurate diagnoses and informed management strategies.