

## Neurological Problems in Children

Children (like adults) can suffer from neurological disorders requiring special care. These early years are crucial, as the brain is growing and maturing, learning new things and refining already learnt tasks. Any injury at this time can have serious consequences, unless dealt with timely and appropriately. An insult at this age affects not only the neurological development of the child (small head size, tightness of limbs, fits, abnormal movements) but may also impair speech development, cause disturbances in vision and hearing, lead to behavioural, emotional and social problems.

These disorders may arise from birth, or even earlier when the child is in the mother's womb or may be acquired as the child grows. Some may be distinctly obvious/visible while some may be dormant manifesting with subtle problems. There are many that can be cured when detected in time and many whose progression can be controlled. **It is important to seek help early as timely diagnosis and treatment goes a long way in helping the child achieve his/her maximum potential.**

### How We Can Help

We offer specialised care for children with neurological problems ranging from birth asphyxia (delayed cry/ feeble cry at birth), delay in achievement of milestones, slow growth of head size, tightness of limbs, walking difficulties, strange behaviours, abnormal movements, fits and poor or declining grades in school.

## Epilepsy

At least one seizure (or fits) occurs in 1% of children by the age of 15 years. Epilepsy refers to disorders with an increased propensity for recurrence of seizures. It affects nearly 3-11 out of every 1000 persons in India. Early diagnosis, identification of appropriate aetiology and timely treatment are the first steps towards managing epilepsy.

### How We Can Help

We offer consultation and treatment for all kinds of epilepsies ranging from febrile seizures, status epilepticus, severe epilepsy syndromes, genetic epilepsies, symptomatic epilepsies, reflex seizures and refractory epilepsies.

## Paediatric EEG

An EEG or electroencephalogram is a test that records the electrical signals of the brain.

An EEG is used to assess abnormalities in the electrical activity of the brain that may be associated with certain brain disorders, such as seizure disorder, epilepsy, encephalitis, encephalopathy, developmental regression, loss of speech, sleep disorders, genetic syndromes and to determine the level of brain activity in a comatose child.

Video EEG service is available at our hospital ([Link to EEG pg](#))

**Comment [D1]:** Need link

### **Our Approach to Interventions**

Our multidisciplinary approach focuses on liaison with specialists in child development team including developmental therapist, occupational therapist, speech therapists, child health educators, psychologists along with pediatricians and nutritionists to help address the neurological challenges holistically. Our team works in tandem with the parents/ caregivers to enable the child to achieve his/her maximal potential. We aim to empower the caregivers to handle emergencies and daily care of the neurologically disabled child along with the convenience of providing all services under one roof.

We provide clinical consultation (OPD and inpatients), video EEG services, pharmacotherapy, counseling, and advice on special diet. The hospital also provides round the clock (24\*7) emergency services with in house paediatrician support to deal with neurological emergencies, and 24\*7 laboratory support.