

How to confirm it?

A comprehensive evaluation done by a professional team consisting of Physiatrist, Physiotherapist, Occupational therapist, Speech language pathologist, Special educators and Psychologist to confirm cerebral palsy.

How best the child can be remediated?

A comprehensive management by above team of professional with correct aids and appliances, adaptations and proper vocational training can make their life productive.

What are the various approaches in Management?

- ✦ Neuro Developmental Therapy - focused on development of motor functions
- ✦ Sensory Integrations - focused on integration of vestibular, tactile and proprioceptive senses.
- ✦ Biomechanical Approach - focused on development of joint functions.
- ✦ Early intervention - focused on self help, motor, cognitive, language and socialisation
- ✦ Structure Education - focused on organizing, developing schedules and work system
- ✦ Speech Correction - focused on correcting articulatory problems
- ✦ Augmentative and alternative communications - focused on alternative way of communication
- ✦ Picture Exchange Communications focused on using pictures as a mode of communication

- ✦ Medical - focused on reducing / controlling associated problems
- ✦ Surgical - focused on deformity correction
- ✦ Behaviour modification - focused on reducing maladaptive behaviours and enhancing skills.



What are the facilities available in NIEPMD?

- ✦ Medical Services
- ✦ Physiotherapy
- ✦ Occupational Therapy
- ✦ Speech Therapy
- ✦ Early Intervention
- ✦ Special Education
- ✦ Psychology Intervention
- ✦ Vocational Training
- ✦ Orthotic Services

Message to remember :

Early identification and rehabilitation will reduce the impact of disability, prevent secondary deformities and help them to have a productive life.

KNOW ABOUT CEREBRAL PALSY



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NATIONAL INSTITUTE FOR EMPOWERMENT OF PERSONS WITH MULTIPLE DISABILITIES

(Dept. of Empowerment of Persons with Disabilities
Ministry of Social Justice & Empowerment, Govt. of India)

East Coast Road, Muttukadu, Kovalam (P.O).
Chennai - 603 112. Tamilnadu

Phone : 044-27472113, 27472046 Fax : 044-27472389
Website : www.niepmd.tn.nic.in
Email : niepmd@gmail.com



What is Cerebral Palsy?

Cerebral Palsy is the commonly used name for a group of condition characterised by motor dysfunction due to non-progressive brain damage before birth (during pregnancy), during birth or immediately after birth.

What is the incidence rate of Cerebral Palsy?

It is estimated that the worldwide incidence is 2 to 2.5 per 1000 live births.

What causes Cerebral Palsy?

The commonest causes are:

- ✦ Marriage amongst close relatives
- ✦ Pre-mature infants
- ✦ Lack of oxygen to the brain
- ✦ Trauma during birth
- ✦ Intra cranial bleeding
- ✦ Reduced blood glucose level
- ✦ Viral and other infections

- ✦ Blood incompatibility (Rh)
- ✦ Brain fever (Encephalitis)

What are the different types of Cerebral Palsy?

Depending on the affected part of the body

- ✦ Tetraplegic / Quadriplegic - Involvement of all limbs - arms are equally or more affected than the legs
- ✦ Diplegic - Involvement of limbs with arms much less affected than legs
- ✦ Hemiplegic - Limbs on one side of the body is affected
- ✦ Paraplegic - Lower limbs are affected

Depending on the Neurological manifestation

- ✦ Spastic - Increased muscle tone is present
- ✦ Athetoid - Involuntary movements are present
- ✦ Ataxic - Improper wide base imbalanced gait is present
- ✦ Mixed - Any or all of the above features are present

What are the other problems seen along with Cerebral Palsy?

- ✦ Sensory Loss
- ✦ Perceptual Problems
- ✦ Epilepsy
- ✦ Hearing loss of a specific high frequency
- ✦ Emotional Problems
- ✦ Articulatory Speech Difficulties
- ✦ Mental Retardation
- ✦ Visual Impairment
- ✦ Autism Spectrum disorders

When can we suspect the child has Cerebral Palsy?

- ✦ Eye tracking not found within one month
- ✦ Neck control not achieved within 3-5 months
- ✦ Increased/decreased muscle tone
- ✦ Involuntary movements
- ✦ Walking with scissoring/wide based gait
- ✦ Drooling of Saliva
- ✦ Delay in Voluntary movements
- ✦ Paralysis of eye movement

