

Cerebral Palsy

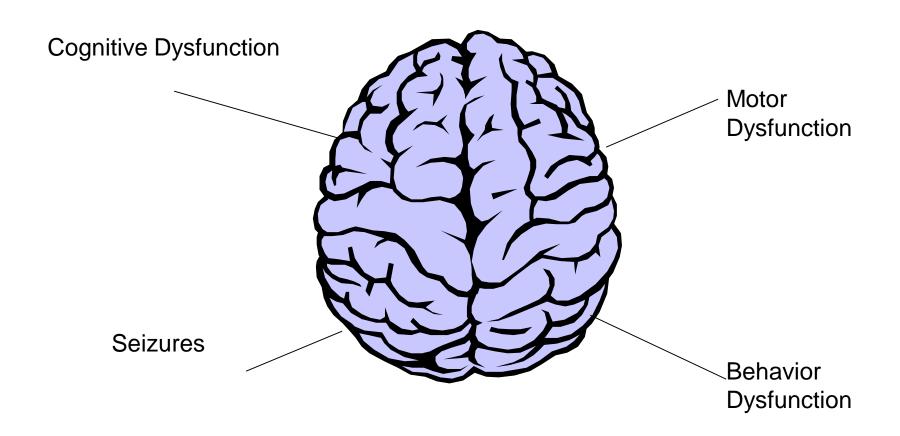
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Cerebral Palsy = Brain Paralysis

- Definition
- Prevalence
- Etiology
- Classifications
- Clinical Presentation
- Treatments
- Substantially Disabling



COMPLICATIONS OF NEURODEVELOPMENTAL DISORDERS

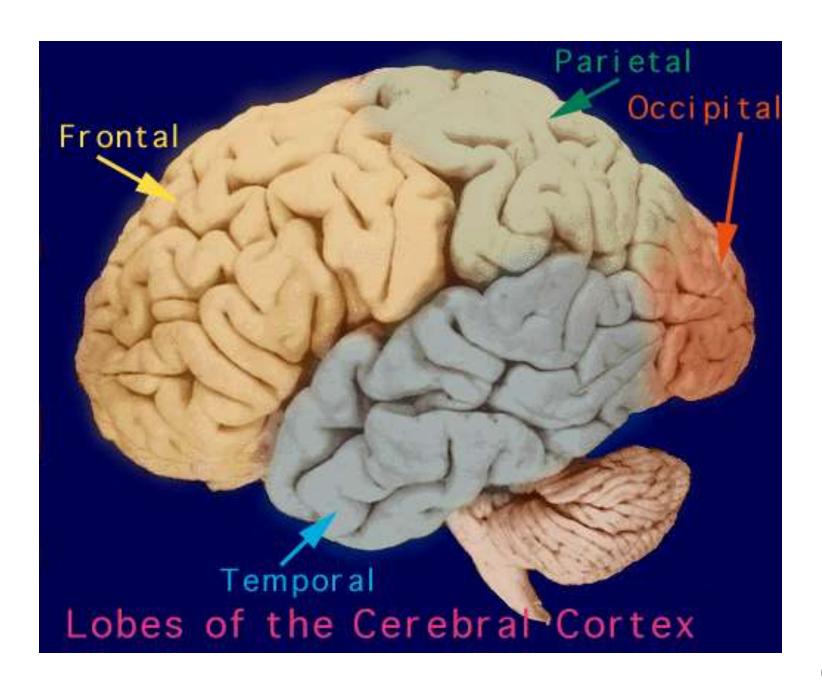


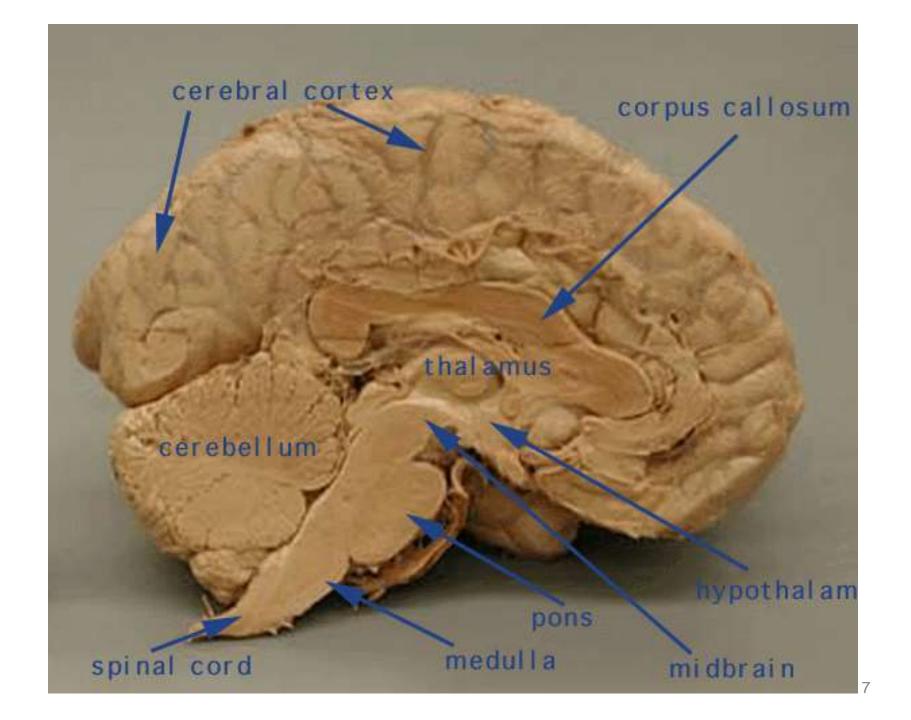
Cerebral Palsy: Definition

- Cerebral palsy is a static encephalopathy
- Encephalopathy = Brain Injury that is non-progressive disorder of posture and movement
- Variable etiologies
- Often associated with epileptone problems, vision compromis cognitive dysfunction

Cerebral Palsy: Prevalence

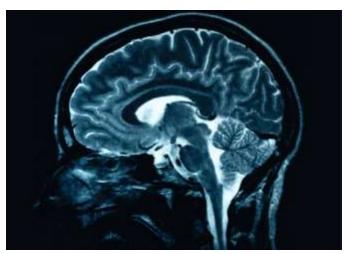
- 2-4/1000; 7-10,000 new babies each yr
- 150 years ago described by Dr. Little an orthopedic surgeon and known as Little's Disease
- During past 3 decades considerable advances made in obstetric & neonatal care, but unfortunately there has been virtually no change in incident of CP





Cerebral Palsy: Classification

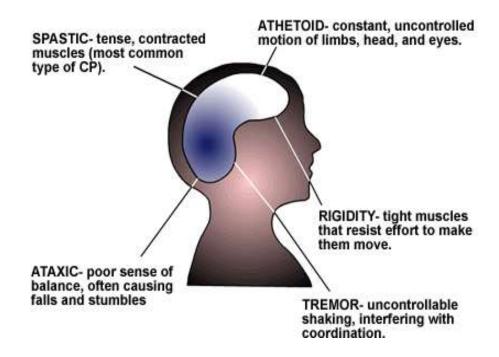
- Various classifications of Cerebral Palsy
- Physiologic
- Topographic
- Etiologic



Cerebral Palsy: Physiologic

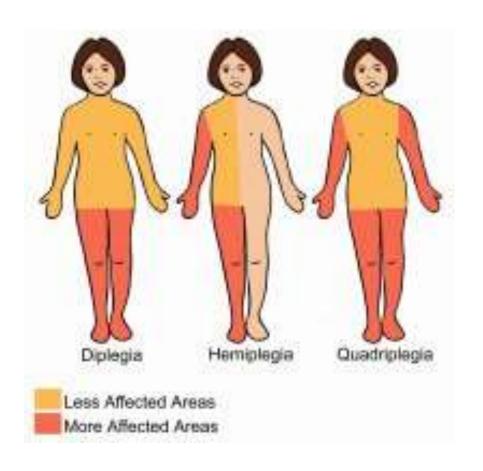
- Athetoid
- Ataxic
- Rigid-Spastic
- Atonic
- Mixed

TYPES OF CEREBRAL PALSY



Cerebral Palsy: Topographic

- Monoplegic
- Paraplegic
- Hemiplegic
- Triplegic
- Quadraplegic
- Diplegic

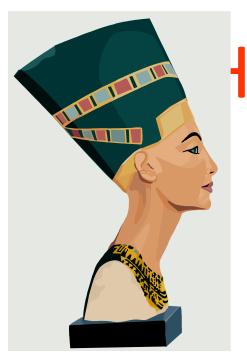


Cerebral Palsy: Etiologic

- Prenatal (70%)
 Infection, anoxia, toxic, vascular, Rh
 disease, genetic, congenital
 malformation of brain
- Natal (5-10%)
 Anoxia, traumatic delivery, metabolic
- Post natal Trauma, infection, toxic

Cerebral Palsy: Clinical Presentation

Remember that motor developmental progression is from....



Head to Toe



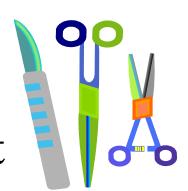
Cerebral Palsy: Complications

- Spasticity
- Weakness
- Increase reflexes
- Clonus
- Seizures
- Articulation & Swallowing difficulty

- Visual compromise
- Deformation
- Hip dislocation
- Kyphoscoliosis
- Constipation
- Urinary tract infection

Cerebral Palsy: Management

- Neurologic and Psychiatric
- OT and PT
- Speech
- Adaptive equipment
- Surgical
- Rhizotomy, Baclofen pumps, Botoxin





Cerebral Palsy

What is substantially disabling Cerebral Palsy?

- Mobility
- Communication
- Learning
- Self Care
- Self Direction
- Independent Living
- Economic Sufficiency