Cerebral Palsy

Cerebral palsy is a physical disability that affects movement and posture.

**DIAGNOSIS**

- **Risks for Cerebral Palsy**
  - **Risk Factor**
  - **CP Risk**
    - Maternal Risks (thyroid, pre-eclampsia, bleedings, infection, IUGR, placental abnormalities, multiples)+/- 10.0%
    - Born Premature
      - <28 weeks 0.7%
      - 28-31 weeks 5.0%
      - 31-37 weeks 10.0%
    - Term Born
      - Encephalopathy 12.0%
      - Healthy, no known risks 0.1%

- **Assessing Motor Development**
  - Age: <20 weeks (corrected)
    - General Movements Assessment: 95% predictive.
    - Hammersmith Infant Neurological Assessment (HINE): Helps predict severity.
  - Age 6-12 months
    - Developmental Assessment of Young Children (DAYC): 83% predictive.
    - Hammersmith Infant Neurological Assessment (HINE): 90% predictive.

- **Neuroimaging**
  - Abnormal Neuroimaging
    - % of all CP
      - Periventricular white matter injury 19%
      - Cerebral malformation 11%
      - CVA 11%
      - Grey matter injury 22%
      - Intracranial haemorrhage 3%
      - Infection 2%
      - Non-specific 19%
      - Normal 13%

**PROGNOSIS**

Cerebral palsy can affect different parts of the body:

- **Walking**
  - Most children with cerebral palsy will walk
  - 60% are independent ambulators
  - 10% walk with an aid
  - 30% use a wheelchair

- **Behavioural**
  - Assess early & accommodate

- **Blindness**
  - Conduct investigations & allow more time

- **Bladder Incontinence**
  - Conduct investigations & ensure pain is managed

- **Sleep Disorder**
  - Assess early & accommodate

- **Epilepsy**
  - Augment speech early

**Associated Conditions and Evidence-Based Treatment**

CP is almost always accompanied by a number of associated conditions and these can be as disabling as the physical condition.

- **Pain**
  - 3 in 4 Treat to prevent sleep & behavioural disorders

- **Intellectual Disability**
  - 1 in 2 Poorer prognosis for ambulation, continence, academics

- **Non-Ambulant**
  - 1 in 3 Independent sitting at 2yrs predicts ambulation

- **Hip Displacement**
  - 1 in 3 6-12 monthly hip surveillance using x-ray

- **Non-Verbal**
  - 1 in 4 Augment speech early

- **Epilepsy**
  - 1 in 4 Seizures will resolve for 10-20%

**World Cerebral Palsy Day worldcpday.org**

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The content for this infographic was drawn from: