THE PHYSICALLY DISABLED CHILD



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Children with special needs

- Mental handicap
- Physical handicap
- Learning disorders
- Emotional problems
- Behavior problems

The handicapped child

International Classification of Function, Disability and Health (ICF)

- Impairment:
 - Pathological process
 - Spina bifida
- <u>Activity limitations (Disability)</u>

Consequence of the impairment

- Can not walk because of the paraplegia due to spina bifida
- Barriers to participation (Handicap)

The way in which the person responds to his impairment or disability

Independent in a wheelchair



Prevalence

- □ 85% of the disabled children in developing countries
- □ An average community:
 - 8% of children <10 years

Prevalence

- Behavior problems:
- Mental handicap:
- Physical handicap:

 - 🗖 Spina bifida
 - Blindness
 - Deafness
 - Speech problems

70/1000 20-30/1000 (Mild)

2-5/1000 1-6/1000 2/1000 1.5/1000 1/1000

Classification of physical disabilities

Sensory handicaps

- Vision
- Hearing and speech

Classification of physical disabilities

Neuromuscular

- Muscle disorders
- Cerebral palsy
- Spina Bifida

Classification of physical disabilities

□ Other systems

- Cardiac problem
- Chronic renal failure
- Respiratory diseases
- Endocrine e.g. DM
- Oncology

Aetiology

- Prenatal factors
 - Hereditary conditions
 - Infections
 - Environmental factors
 - Mother's health
- Perinatal factors
 - Birth
 - Infections

 - Drug exposure

- Postnatal factors
 - Infections
 - Toxins
 - Nutrition

Diagnosis

□ Why?

- Risk of recurrence
- Content of counseling
- Management protocol

□ How?

- History and Family tree
- Physical examination
- Available diagnostic techniques
 - CT Scan / MRI
 - Muscle enzymes
 - EMG
 - Muscle biopsy
 - Biochemistry
 - Sonar

Referral

- □ Why?
 - Diagnosis
 - Assessment
 - Hearing
 - Vision
 - Level of functioning is essential
 - Gross motor function
 - Fine motor function
 - Speech and language development
 - Psychosocial development
 - Intellectual and perceptual functioning
 - Other medical related problems
 - See CP lecture

Referral

- To Whom?
 - Team



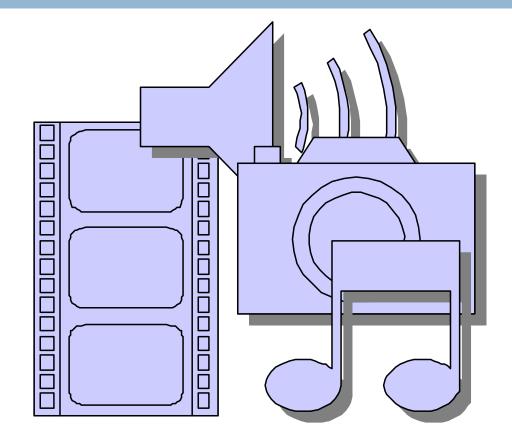
Team

- Doctor with special interest
- Speech therapist
- Occupational therapist
- Physiotherapist
- Social worker
- Psychologist
- Dietician



Hearing impairment

- Neonatal screening
- Early diagnosis
 - Ideal before 3 months
 - Not later than 6 months
- Listen to the parents
- □ High index of suspicion
- Communication development
- Evaluate hearing with rattle
- □ ABR



Visual impairment

- Clinical picture
 - Nystagmus
 - Strabismus
 - Clumsiness
 - Does not reach out
 - Does not fixate at 4 months
 - Photophobia
 - Rubbing of eyes
 - Regression in school work

Visual impairment

- Fundoscopy
- Pictures
- Snellen charts
- Refer
- D ERG



Impact

- Emotional
 - Child with disability
 - Marital stress
 - Siblings
- Social
 - Isolation / Rejection
- 🗆 Financial
 - Special care / School
 - Medication
 - Devices



Social support

- Therapist
- Doctor
- Family
 - Parents
 - Siblings
 - Extended family

- □ Community
- Support groups e.g.
 - Downs syndrome
 - MDF
- Institutions / Homes

Late presentation

- Lack of knowledge
 - parents
 - professionals
- Denial
- Fear