

Common orthopedics Problems

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Date:22/5-2021

Orthopedic impairment

Also known as physical disability

Definition: A significant physical limitation that impairs the ability to move or to complete motor activities

- May result from congenital anomaly, disease, accident, or other cause
- defines orthopedic impairments as diseases or disorders that are related to the bones, joints, and/or muscles.

Causes

- genetic abnormality
 - disease
 - injury
 - birth trauma
 - amputation
 - burns
- other causes:**
- Diabetes
 - Nervous system disorders
 - Traumatic spinal cord injury
 - Stroke

Types of orthopedic impairments

- Cerebral Palsy
- Muscular Dystrophy
- Kyphosis
- Lordosis
- Scoliosis
- Spinal Cord Injury
- Bone Diseases
- Joint diseases
- Brachial Plexus Palsy
- Poliomyelitis
- Spina Bifida
- Clubfoot etc.

Classification of impairment

1. Neuromotor impairments : involve the central nervous system (brain, spinal cord, or nerves that send impulses to muscles) affect a child's ability to move, use, feet, or control certain parts of the body e.g. spina bifida, cerebral palsy, and spinal cord injuries

Musculoskeletal disorders

2.Musculoskeletal Disorders:

Skeletal system impairments that involve the joints, bones, limbs, and associated muscles

include defects or diseases of the bones and muscles, such as limb deficiency or club-foot.

3.Degenerative diseases those that affect motor movement such as muscular dystrophy

Common Orthopedic surgeries :

- Open reduction and internal fixation
- Close reduction and internal fixation
- Joint replacement :
 - knee joint replacement
 - hip joint replacement
 - Shoulder joint replacement
 - Elbow joint replacement

Cont.....

- K.Wire fixation
- External fixation
- Cut injuries repair
- Wound debridgement
- Skin grafting
- Tendon repair
- Repair of tendon-achillis
- ACL reconstruction
- PCL reconstruction.

Cont.....

- Bone grafting
- Amputation
- Arthroscopy especially knee, shoulder and elbow joint
- Osteotomy etc.

Orhopedic team members:

- Orthopedic surgeon
- Asst .surgeon
- Orthopedic nurse
- Anaesthesiologist
- Anaesthesia technician
- Physiotherapist
- Occupational therapist
- Limb maker