POSTURE AND PAIN

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Definition

Posture is an attitude assumed by the body either with support during muscular inactivity or by means of the coordinated action of many muscles working to maintain stability or to form an essential basis which is being adapted constantly to the movement which is superimposed upon it

Types of Posture

1) Inactive posture

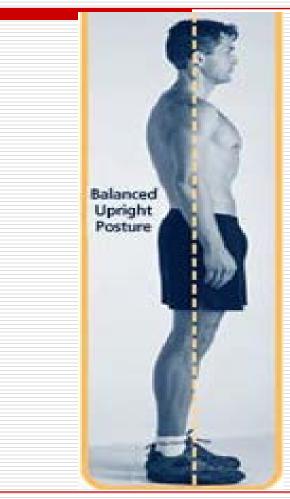
- Attitude adopted for resting or sleeping
- □ All essential muscular activity reduces to minimum
- Used for training general relaxation

2) Active posture

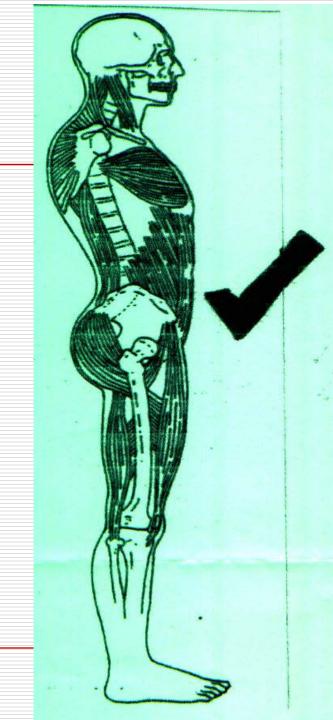
- Integrated activity or action of many muscles is required to maintain active posture
- □ It may be either *Static* or *Dynamic*

1) Good posture





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1) Good posture

- When the posture fulfills the purpose for which it is used with maximum efficiency and minimum effort.
- Varies from individual to individual
- Perfect balance of one body segment over another.
- Minimum muscular effort.
- Pleasing to someone's eyes.

1) Good posture

- □ Factors responsible for good posture:
 - Stable Psychological Background
 - Good Hygienic Conditions
 - Opportunity for Plenty of natural free movement



2) Poor Posture



2) Poor Posture

- A posture which is inefficient, fails to serve the purpose and in it unnecessary amount of muscle effort used.
- Faulty alignment of body parts leading to additional muscle work.
- Marked increase in curves of spine which are displeasing to eyes.
- Reduces the efficiency of movement.

2) Poor posture

- □ Factors responsible for poor posture:
 - Mental attitude
 - Poor hygienic condition
 - General disability and Illness
 - Prolong fatigue
 - Local factors
 - Pain
 - Muscular weakness
 - Occupational stress
 - Sometimes there may be faulty idea of good posture

2) Poor posture

POOR BIO-MECHANICS



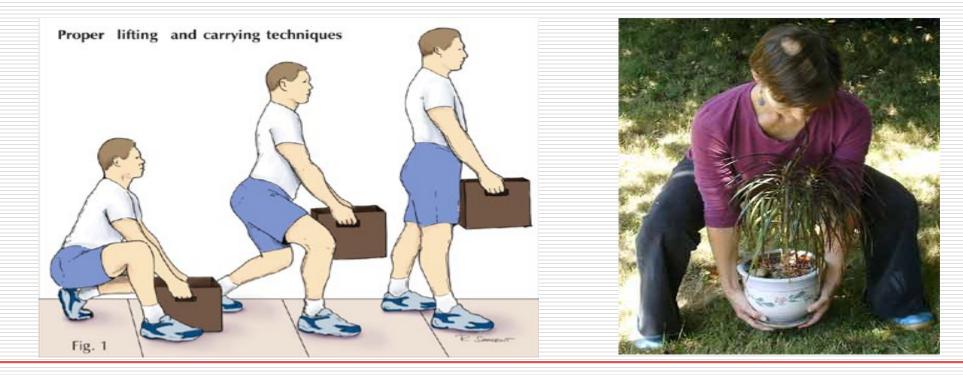
Re-education of Posture

Principle

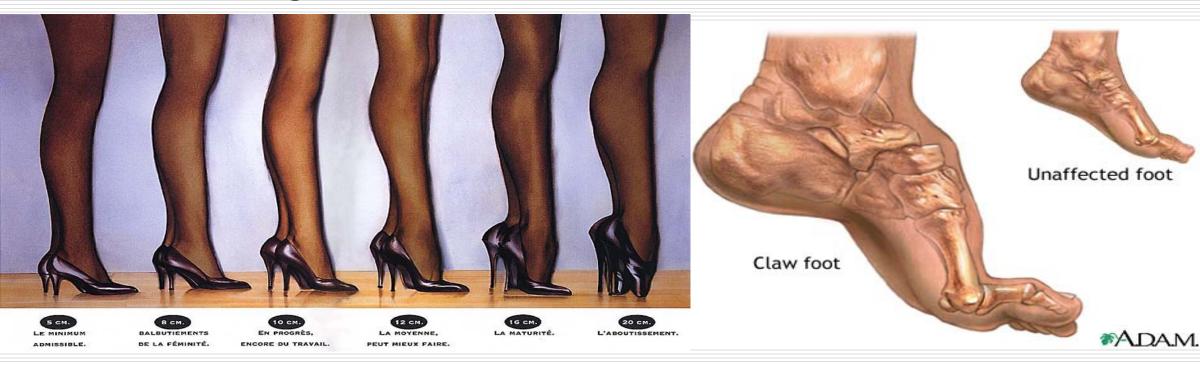
- □ The cause of poor posture must be found out.
- Co-operation of patient
- **Techniques of Re-education**
- □ General relaxation
- □ Treatment of pain
- Mobility
- Muscle power

Ergonomic Advices

□ Lifting and Carrying weight



Avoid high heels



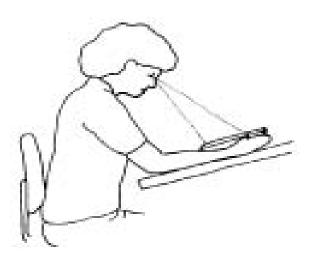


SOURCES: American Academy of Orthopaedic Surgeons, American Apparel & Footwear Association, American Orthopaedic Foot & Ankle Society, Mayo Clinic, Society of Chiropodists and Podiatrists, "Women's Shoe and Knee Osteoarthritis," by D. Casey Kerrigan, Jennifer L. Lelas, Mark E. Karvosky, The Lancet 2001; 357: 1097-1098 GRAPHIC: Reporting by Brenna Maloney, The Washington Post

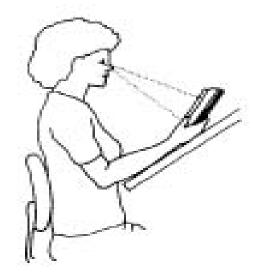
□ Reading and Writing at desk



desk too far for reading or writing



desk at better angle for reading, good angle for writing



desk at best angle for reading

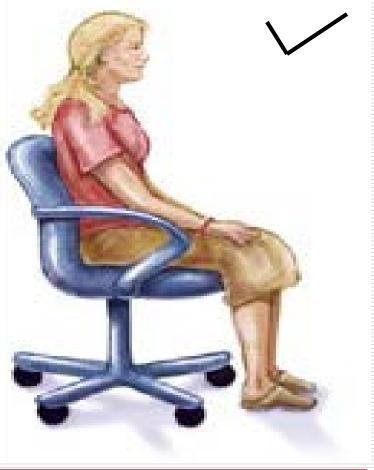
□ Reading and Writing at desk



POSTURE AND PAIN

□ Sitting in chair





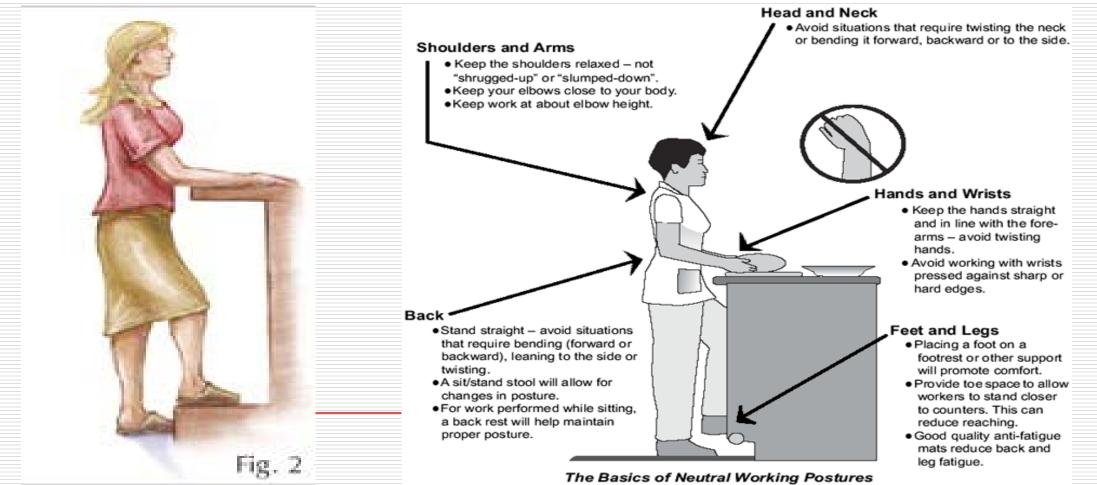
Driving cars



Driving cars



□ Standing for long period (transfer wt.)



Daily activities habits (Cell phones)



THANK YOU