



Lesson 4 Postures

Postures

- 4.1 Concept of Correct Postures: Standing and Sitting
- 4.2 Advantage of Correct Posture
- 4.3 Causes of Bad Posture
- 4.4 Common Postural Deformities
- 4.5 Physical activities as Corrective Measures



Concept of Correct Postures

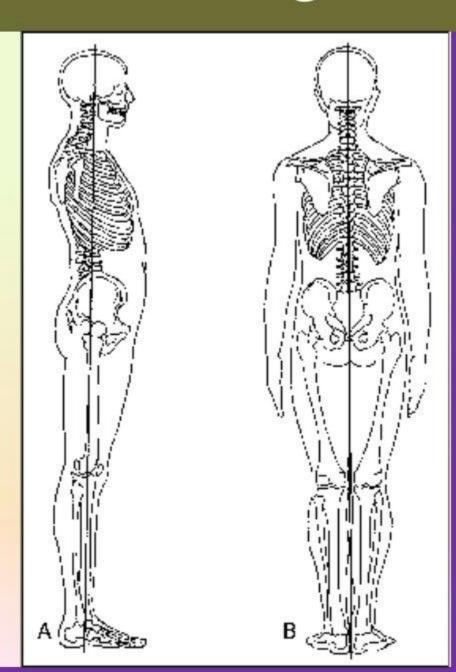
Definitions:

- Good Posture is one in which the body is so balanced as to produce least fatigue
- 2. That assumed position which enables the body to perform or function effectively
- There is no single best posture for all individuals, yet some general norms regarding postural positions
 - A. Correct Posture of Standing
 - **B.** Correct Posture of Sitting

Correct Postures of Standing

 A position in which the skeleton is held erect

- 2. Mechanically most favourable for transmission of body weight
- 3. Centre of gravity should be on the line shown passing thru the body



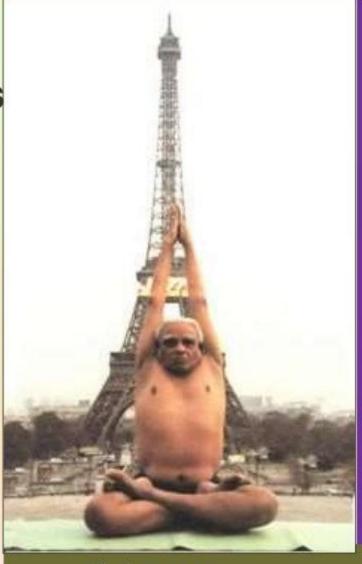
Correct Postures of Sitting

- A position in which the body is seated comfortably on a chair with erect spine
- Spine should maintain its natural curve. Not to put any stress on the back
- Posture should not be forced or collapsed with belly bulging out



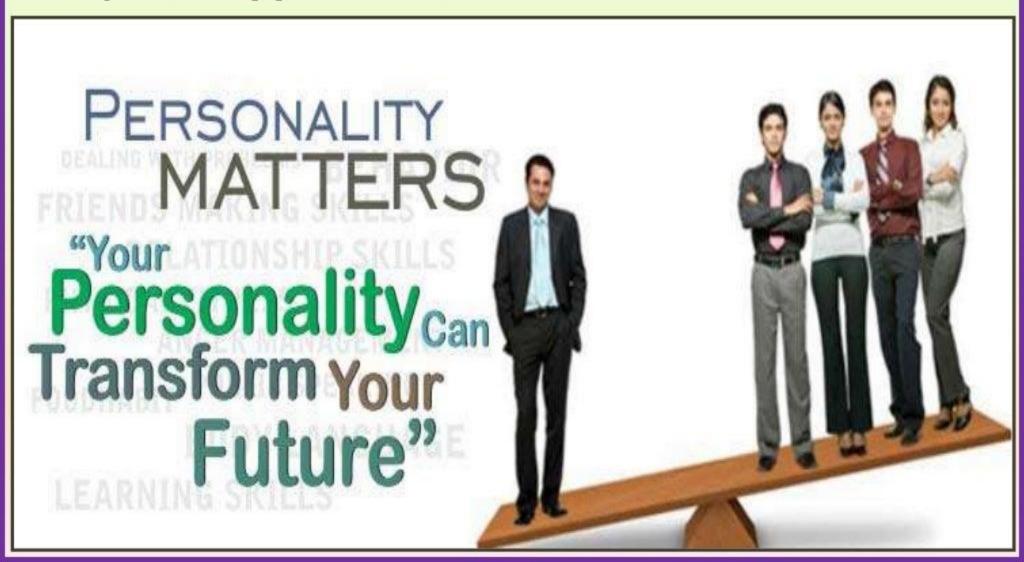


- 1. Physical Appearance
- 2. Graceful & Efficient Movements
- 3. Physical Fitness
- 4. Less chances of injuries
- 5. Prevention from diseases
- 6. Improves confidence
- 7. Sports performance
- 8. Joint mobility
- 9. Longevity



Shri B K Iyenger Father of Modern Yoga

Physical Appearance



Graceful & Efficient Movements





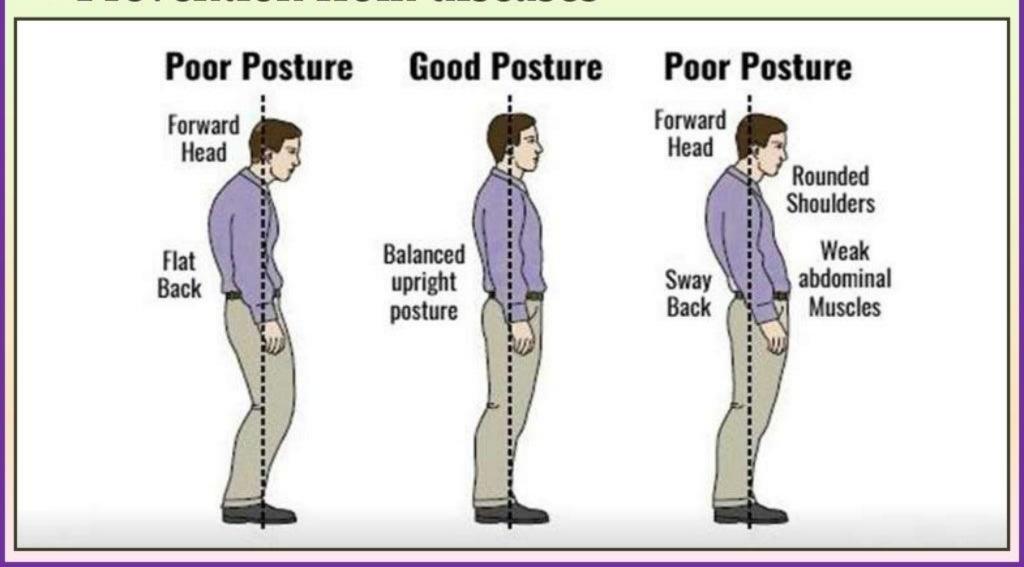
Physical Fitness



Less chances of injuries



Prevention from diseases



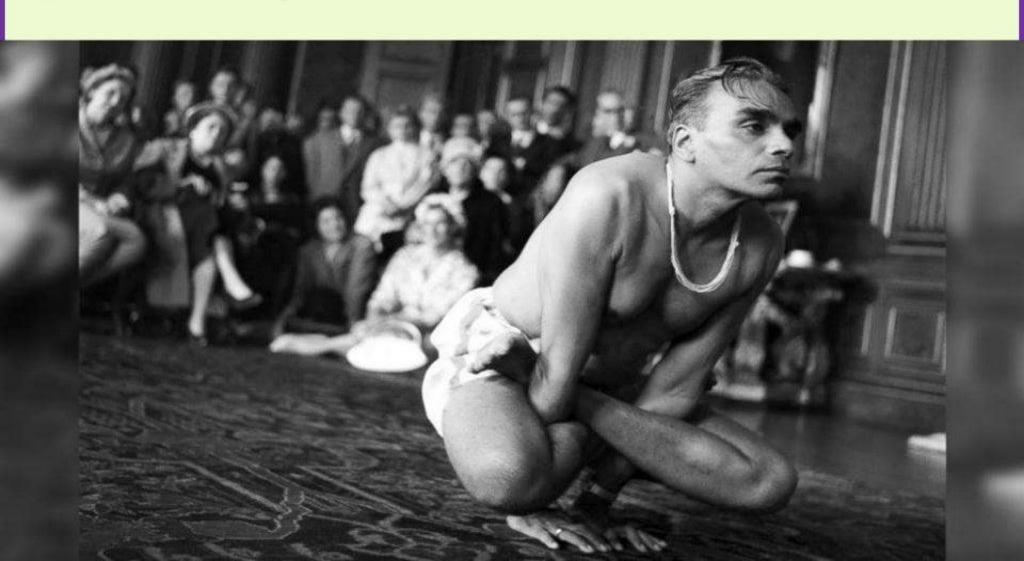
Improves confidence



Sports performance



Joint mobility



Longevity





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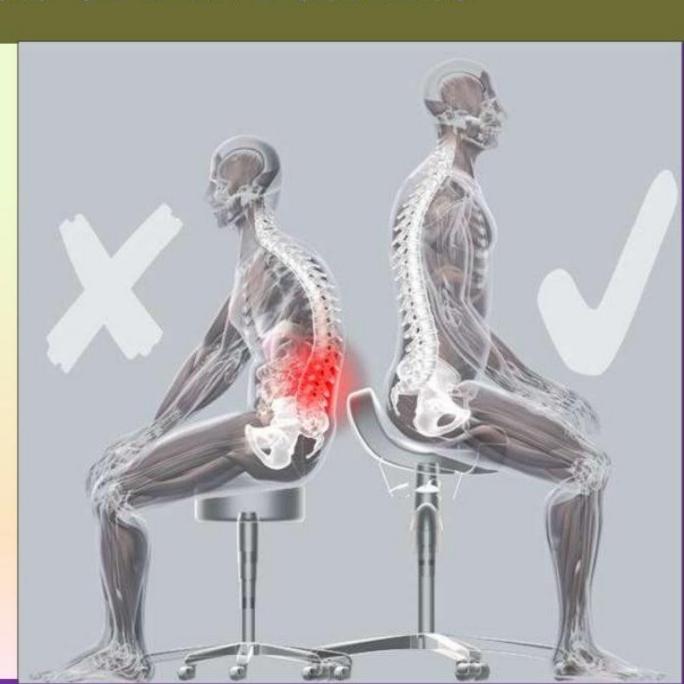
Causes of Bad Postures

- 1. Improper Diet
- 2. Diseases
- 3. By Birth
- 4. Due to accidents
- 5. Fatigue
- 6. Fashion
- 7. Delicacy & Imitation
- 8. Lack of Fresh air & Rest
- 9. Lack of Proper Exercise

- 10. Lack of Awareness
- 11. Unsuitable Furniture
- 12. Obesity
- 13. Bad Habits
- 14. Improper way of Carrying Weight
- 15. Lack of Rest & Sleep
- 16. Other Reasons

Effects of Bad Postures

- 1. Neck Pain
- 2. Lower Back Pain
- 3. Headache
- 4. Eye-strain
- 5. Digestive Problems
- 6. Breathing Difficulties





Common Postural Deformities

- 1. Spinal Curvature
- 2. Flat Foot

3. Knock Knees

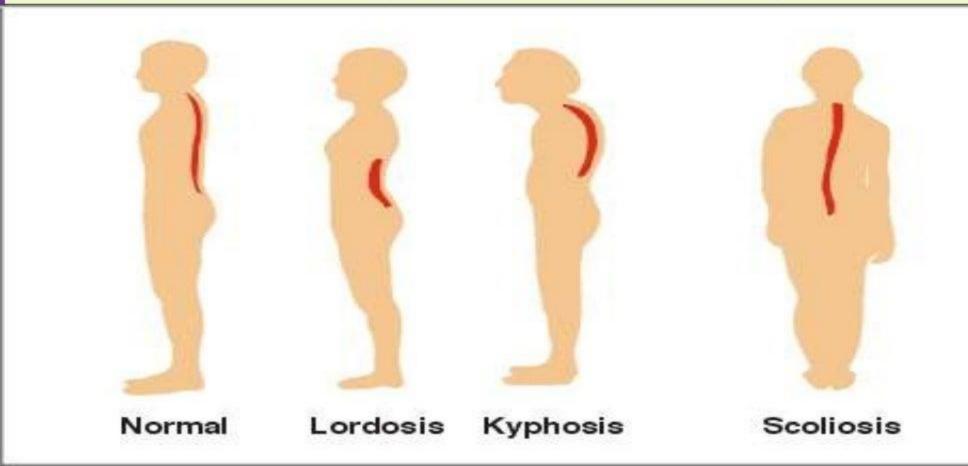
- 4. Bow Legs
- 5. Round Shoulders



Bow Legs

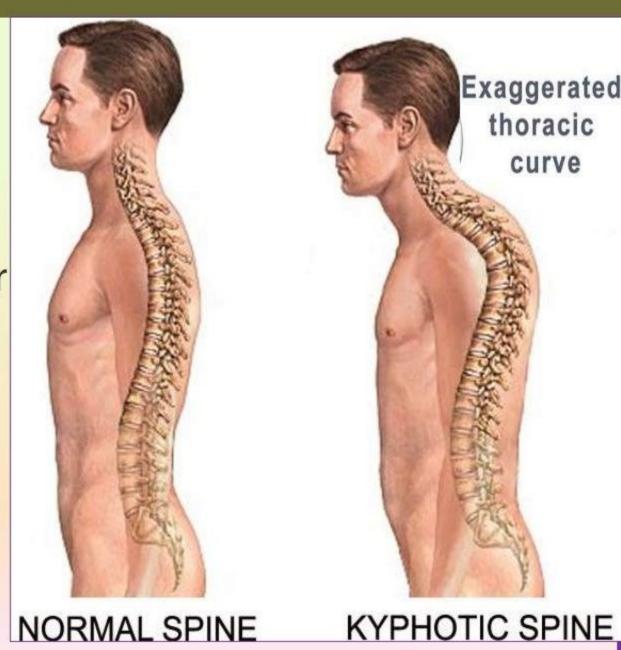
Spinal Curvature

- Deformity is related to spine.
- Weak muscles cause the formation of spine curvature.
- Three types: 1 Kyphosis, 2 Lordosis, 3



Kyphosis

An increase or exaggeration of a backward or posterior curve or a decrease or reversal of a forward curve.



Kyphosis

Caused by malnutrition, illness, deficiency of pure air, insufficient exercises, rickets, carrying heavy loads on shoulders, unsuitable furniture, weak muscles and habit of doing work by leaning forward etc.

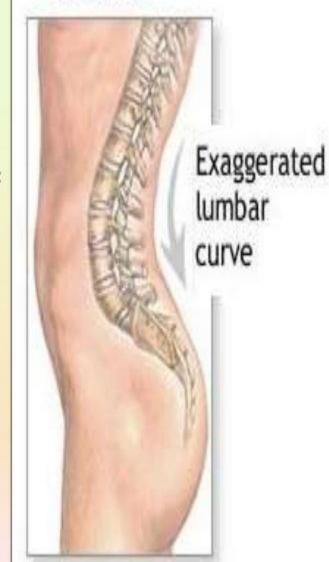
Precautions:

From the very beginning, appropriate posture of sitting, standing and walking should be paid attention

Lordosis

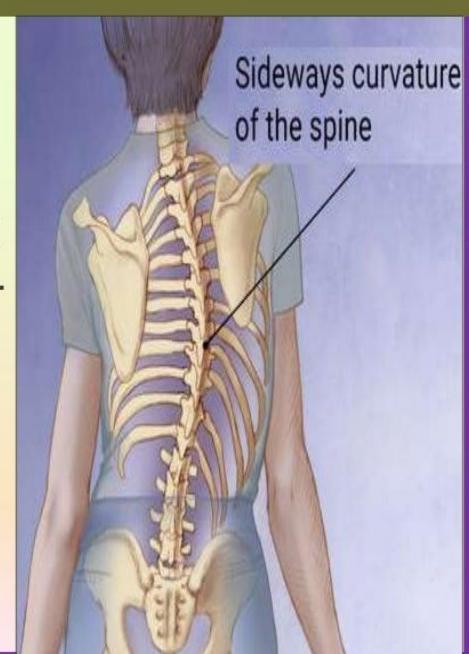
- 1. Inward curvature of spine
- It is an increased forward curve in the lumber region
- It creates problem in standing and walking. The body seems to be stiff
- 4. Can be corrected in an early stage
- Caused by imbalanced diet, improper environment, improper development of muscles, obesity and diseases affecting vertebrae and spinal muscles

Lordosis



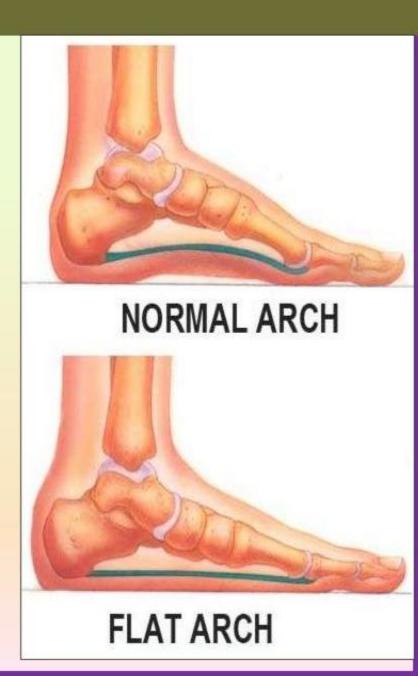
Scoliosis

- Postural adaptation of the spine in lateral position
- Scoliosis means bending, twisting or rotating
- Scoliotic curves are defined in terms of their convexities.
- Caused by disease in the joints of bones, underdeveloped legs, infantile paralysis, rickets, congenital or acquired abnormalities of vertebrae, muscles or nerves.



Flat Feet

- A condition in which the foot has an arch that is lower than usual
- Children with flat feet feel pain in feet
- Person with flat feet can not walk long distances or walk at a brisk pace
- Caused by weak muscles, rapid increase in weight, improper shoes



Knock Knees

- In this deformity, both the knees knock or touch each other in normal standing position
- The gap between ankles goes on increasing
- individual faces difficulty in walking and running
- Caused by lack of balanced diet especially vitamin 'D', calcium and phosphorus, chronic illness, obesity



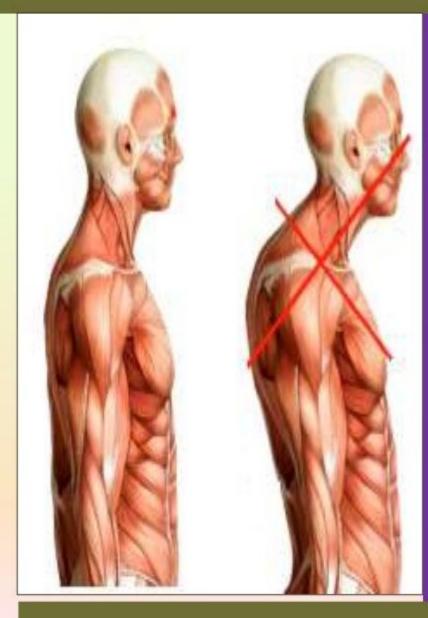
Bow Legs

- 1. Lower long bones of the legs get bent
- Wide gap between the knees when standing with feet together
- Can be observed when a person walks or runs
- Caused by deficiency of calcium and phosphorus in bones, obesity, deficiency of Vitamin D, improper way of walking



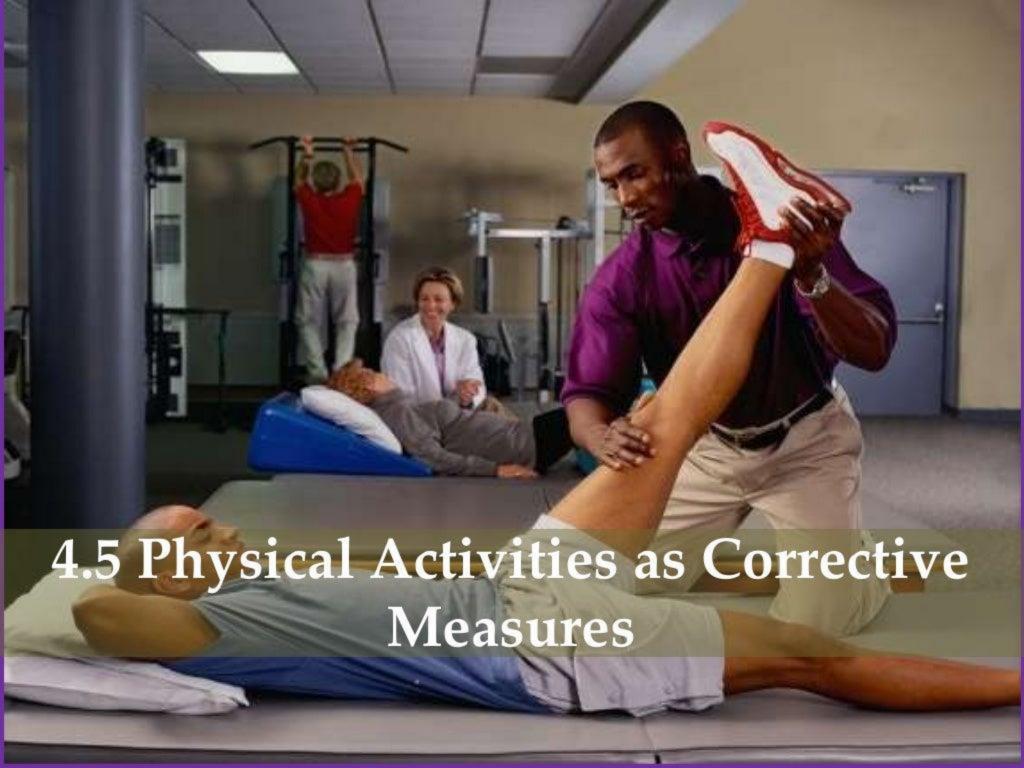
Round Shoulders

- Shoulder become round and sometimes they seem to be bent forwards
- Alignment of the ears in relation to the shoulders is not proper
- Occur due to shortening of chest muscles
- Caused by wearing very tight clothes, Sitting on improper furniture, Lack of proper exercise especially of shoulders



Normal

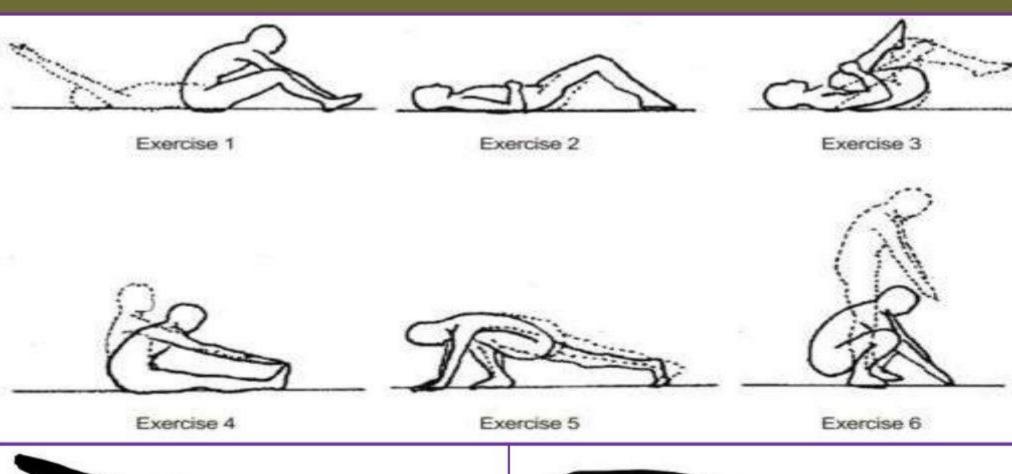
Round



Exercises Related to Kyphosis



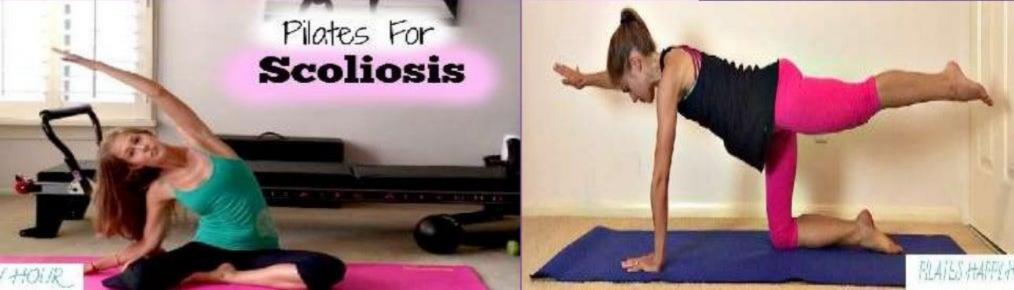
Exercises Related to Lordosis





Exercises Related to Scoliosis



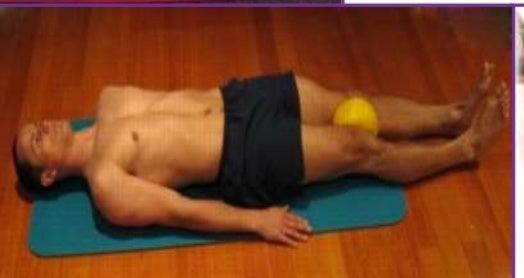


Exercises Related to Knock Knees









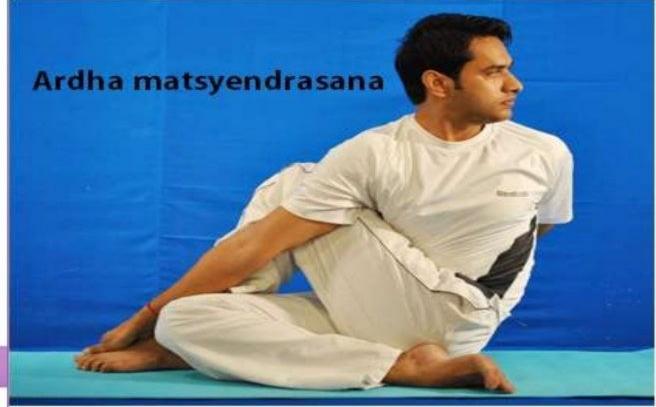


Exercises Related to Bow Legs

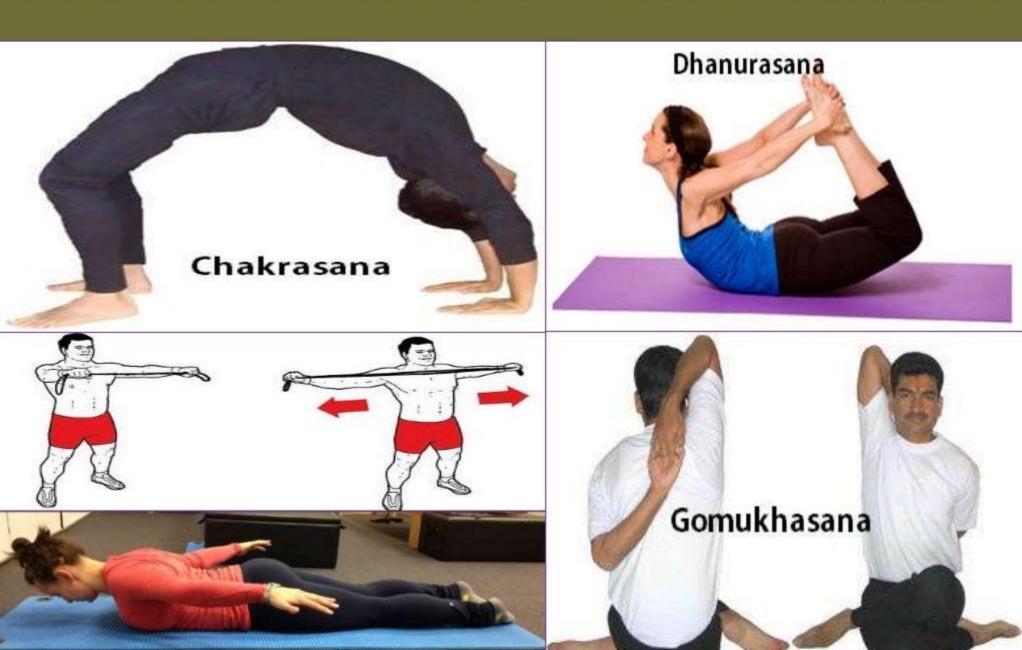








Exercises Related to Round Shoulders



Exercises Related to Flat Foot

Strengthening exercises

- Towel curls
- Marble pick-ups
- Toe taps
- Deep tissue Massage

