

# Pilates for Shoulder Pain

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### The Inventor

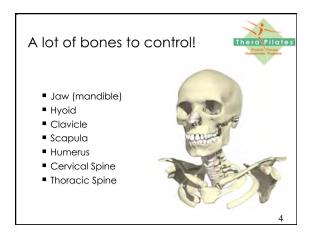


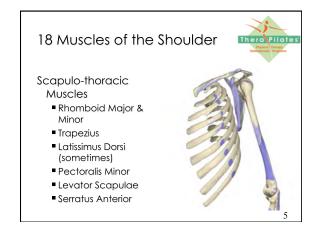
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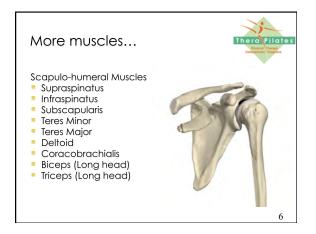
"Good posture can be successfully acquired only when the entire mechanism of the body is under perfect control. Graceful carriage follows as a matter of course."

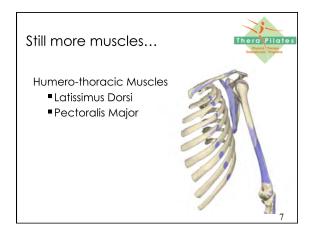


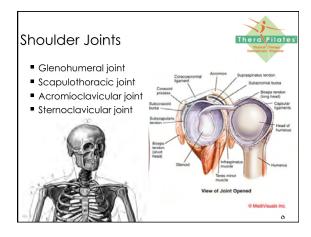
Joseph Pilates Return to Life, 1945

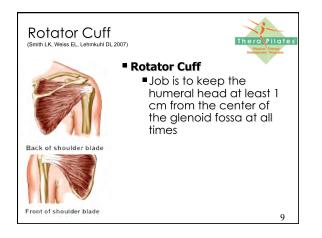


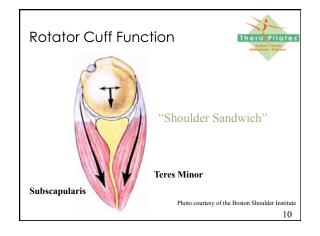


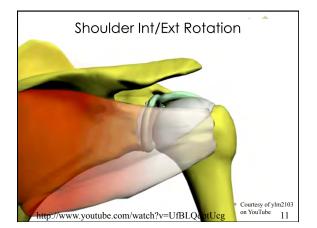














a tee"

## Shoulder Girdle

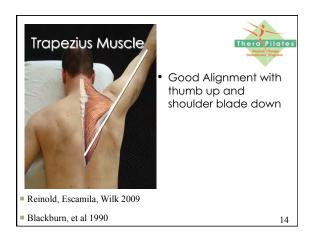
Shoulder Girdle Awareness: Function of the rotator cuff is to "sandwich" the humeral

head in the socket which is



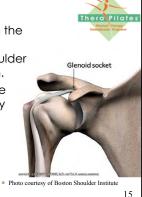
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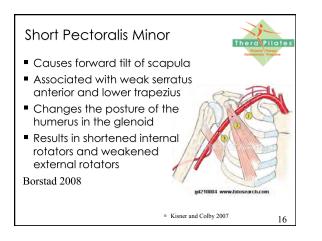
 Job of rotator cuff is to keep head in the socket. Most of us have the humeral head too far forward in the socket, disrupting proper joint mechanics. Wilk, Arrigo, Andrews JOSPT 2009

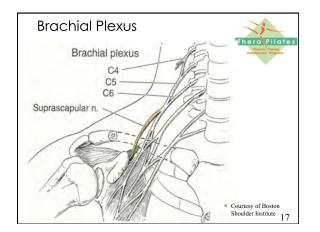


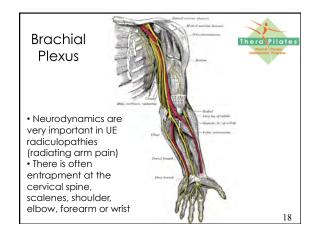
### **Biceps Long Head**

- Biceps tendon slides in the bicipital groove with elbow flexion and shoulder movement up to 6 cm.
- Great forces across the biceps occur with daily overhead activities.
- Throwing sports place great stress on its attachment at the superior labrum. Rodosky and Harner 1994

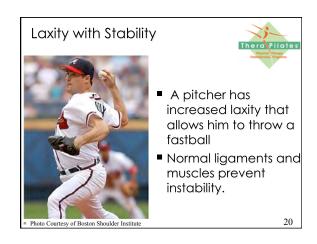








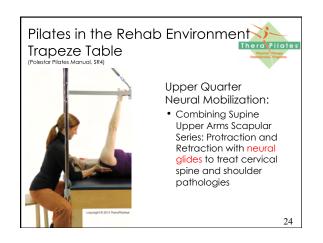


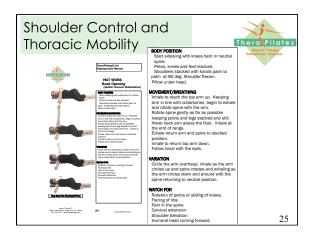


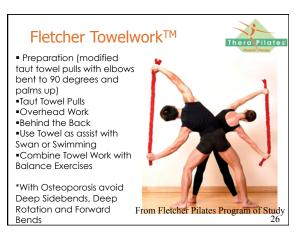






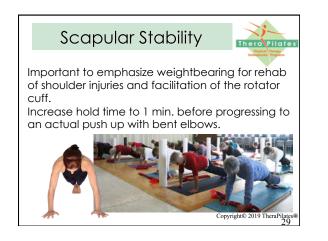


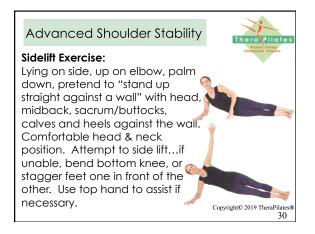












### Concepts to Remember: Shoulder Function



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- Proper organization of the head, neck and shoulders
  improves access to our senses: vision, hearing and touch
- Congruency: maintaining optimal surface contact at the articulation between bony surfaces of the joint.
- The function of the shoulder complex is to maintain the head of the humerus in the center of the socket (glenoid)
- Balance of muscle length and strength around the joint
- Hypermobility vs Instability Need awareness and control
- Scapula should be able to be stabile or mobile at any time
  Thoracic mobility is very important for overhead work or throwing athletes
- Shoulder pain is often referred from the cervical spine

# Pilates in the Rehab Environment Apparatus assists patients with movement Joseph Pilates ingeniously designed equipment to help people with movement

