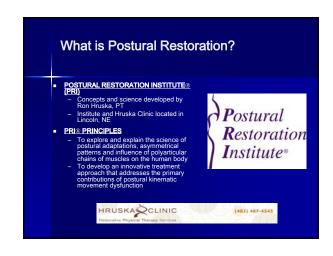
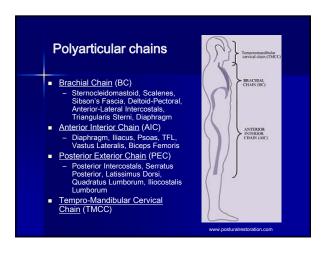




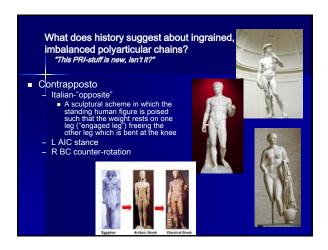
# What is posture? ■ Posture is a reflection of the position of many systems that are regulated, determined and created through limited functional patterns. These patterns reflect our ability and inability to breathe, rotate and rest, symmetrically with the left and right hemispheres of our axial structure. ■ Ron Hruska







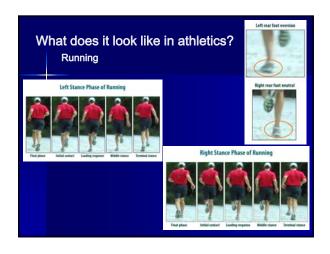


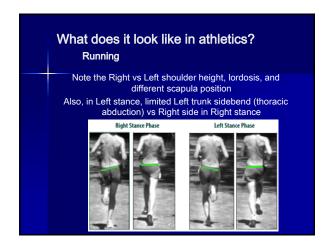






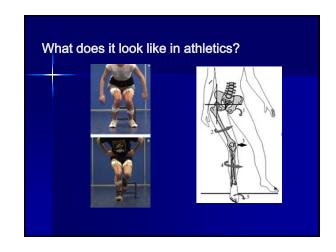


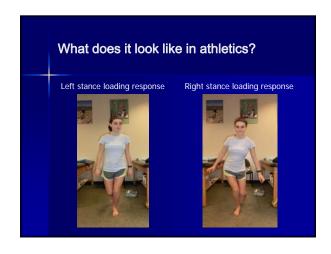


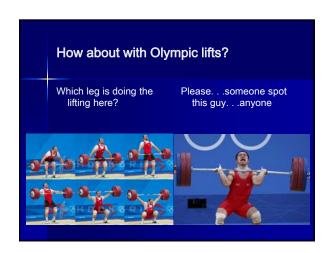




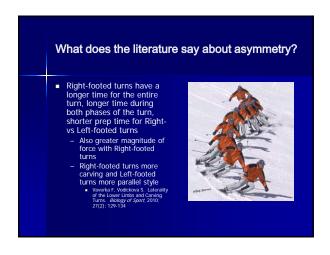


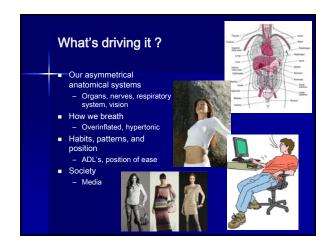


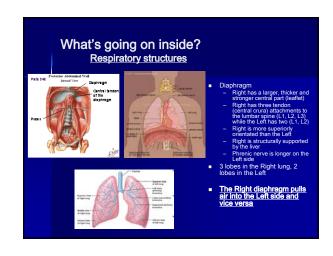


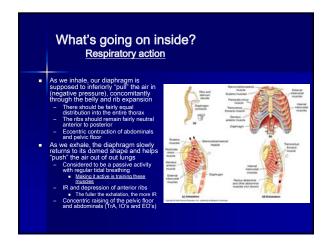


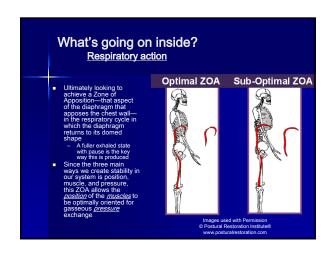
## What does the literature say about asymmetry? > "Development of scoliosis is connected with 'gait' and habitual 'standing at ease' on the Right leg" (Biomechanical aetiology of the socalled idiopathic scoliosis: New clinical and radiological classification. Karski, IX. Journ US-China Med Sci., May, 2011). | "The LBP group had significantly less total rotation and more asymmetry of total rotation, Right hip versus Left hip, than the NoLBP group. Left total hip rotation was more limited than Right total hip rotation in the LBP group." | (Hip Rotation Range of Motion in People With and Without Low Back Pain Who Participate in Relation-Related Sports. Van Dillen LR, et al., Phys. Ther Sport. May, 2008).



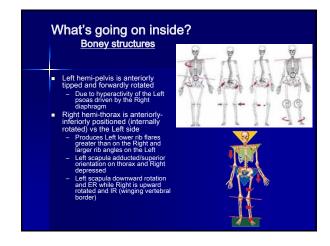


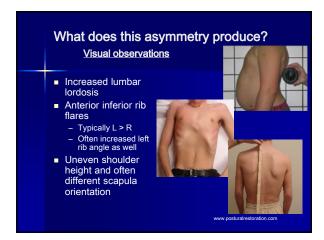


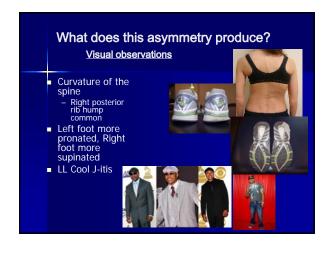








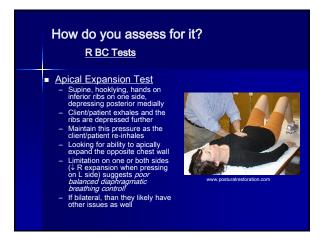


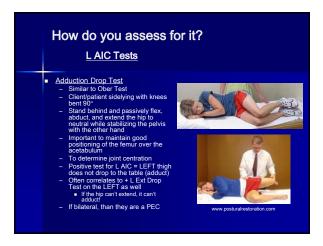


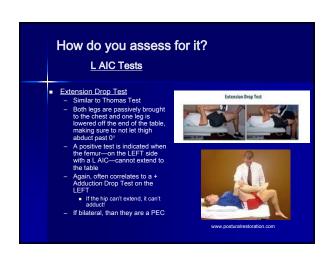


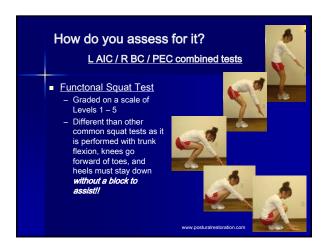


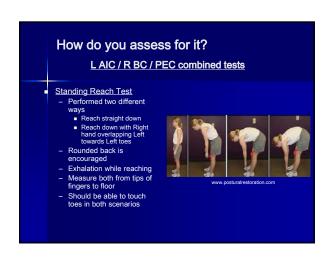












### What about the PEC?

This is what it looks like. . .

- . . . and this is often why
- Over activity of the back extensors coupled with hyperinflation produces marked tone. . .and not necessarily good tone!





### What do you do to manage it? LAIC/RBC

- Get your clients / patients to breathe diaphragmatically
  - Need to establish a Zone of Apposition by getting the diaphragm to move properly, especially on the Left side
  - Fuller, not forced, exhalation with warm-ups and muscle prep activities
- Training them to learn to inhale with proper expansion and exhale with control is integral to:
  - reducing unwanted pressure in the system
  - creating good joint position
  - optimizing muscle activity
  - improving performance

### What should be done to correct these imbalances?

- After establishing a ZOA, especially on the Left (getting more air in on the Right), the system needs to be repositioned to get them more neutral.
- hen have them hold each xercise for 4 breaths with full not forced) exhalation then
- Consider it activation methods for pre-performance work



## What should be done to correct these imbalances? Left sidelying knee toward knee Left sidelying knee toward knee Starting position Finish position

## What should be done to correct these imbalances?

Left sidelying Right GluteMax Starting position



Left sidelying Right GluteMax Finish position



What should be done to correct these imbalances? Opening/expanding the posterior mediastinum

Starting position Inhale while rounding back



Finish position Full exhalation while bringing sternum to ceiling





