



- humerus in space to position optimal alignment that improve functional support of GH joint
- Neutral = between 2<sup>nd</sup> & 7<sup>th</sup> thoracic vertebral levels
- 1-3 inches from midline of the spine
  Actions: adduction, abduction, retraction, protraction, depression, elevation, Down Rot, Up Rot, IR, ER, Ant Tilt, Post Tilt

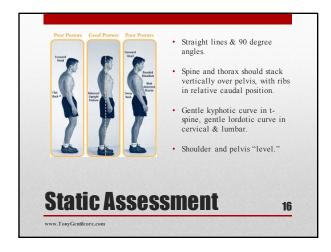
## **Scapulothoracic Joint**

# Aids in optimal positioning of scap for Oth attivities Muscles Involved: Anterior deltoid, upper traps, subclavius Muscles Involved: SCM, buscles Involved: SCM, buscle





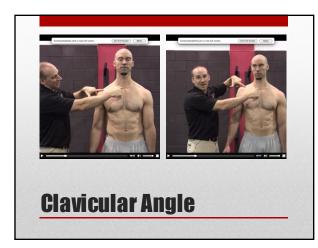








Highlight Scapular Borders (Show Where People Start)









### • Humeral Extension, Adduction, Internal Rotation, Horizontal Abduction

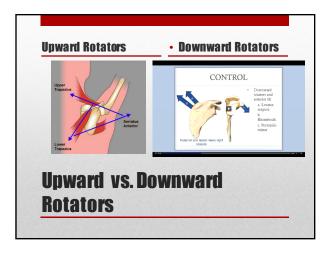
- Lumbar Extension, Lateral Flexion
- Respiration
- THINK: what do people have to do to get their arms over their head?

# LATS

















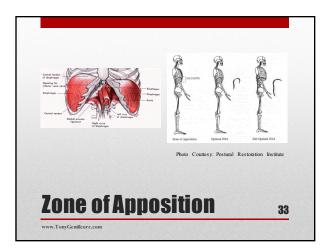














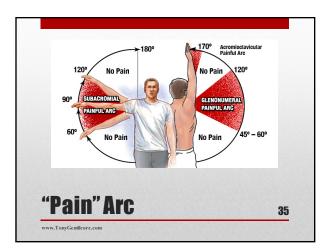
• Airflow drives the nervous system.

**PRI For Dummies** 

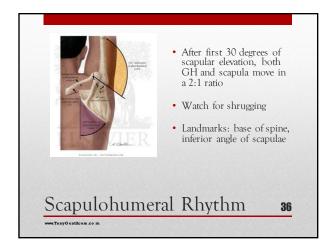
- Respiration you learned in school is gas exchange. Breathing is movement.
- Canister vs. Scissors
- Chest Breather = dominant "accessory" breathing muscles.
- LAIC = stronger, what feels normal. (NOT OPTIMAL)

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• Left Stance = changes pelvic floor, diaphragm better aligned, STRONGER POSITION.

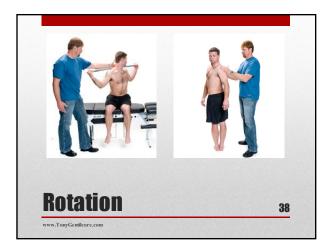
















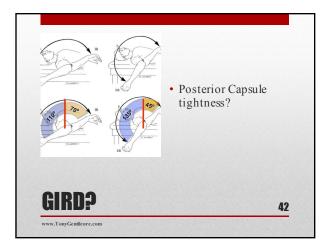




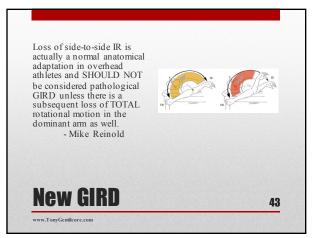










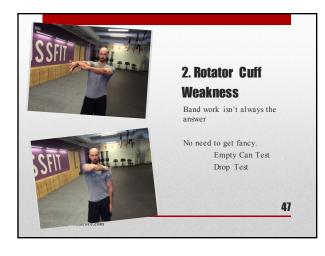


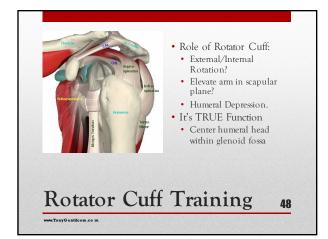






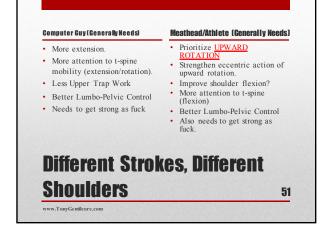


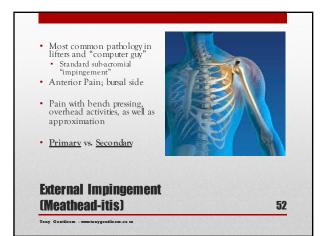


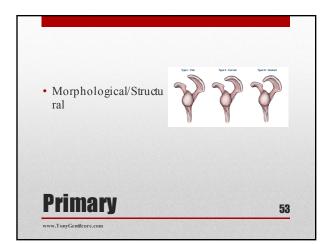


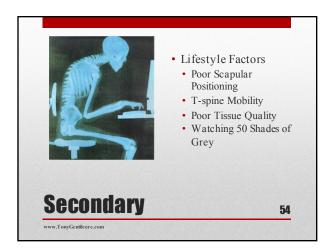


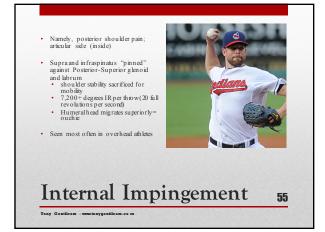


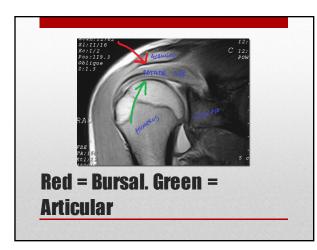




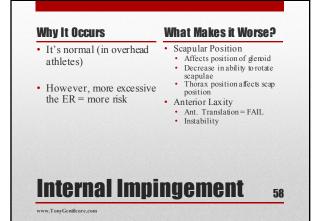










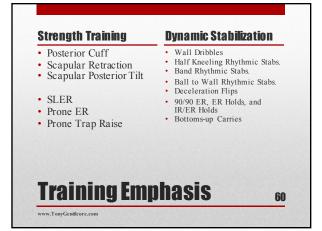


• Points to front of shoulder and it hurts all day = it's NOT Internal Impingement.

- Hurts in "cocked position," and points to back of shoulder = Ding, ding, ding.
- · Can use "Apprehension Test" to ascertain things.

**Final Say** 

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# Want to improve UR, but also strengthen eccentric control of upward rotation Prote Lengthening Modified Quadruped w/Elbow Extension Band Wa Band Washield Wiper Band Washield Wiper Band Washield Wog, Yoga Push-Up Variations Plank to Downward Dog, Yoga Push-Up Variations Plank kolling/Hodysaw Semitus Upward Jab Semitus Vall Valde w/ Foam Roller, Wall Slide Variations Wall Plank Amn Side J II (w/ shoulder notation/elbow support), III (w/ shoulder rotation/hand support) Signific Amn Side Xoll Projeter Standing Back to Wall Spider TRX Semitus Side

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**Upward Rotation** 



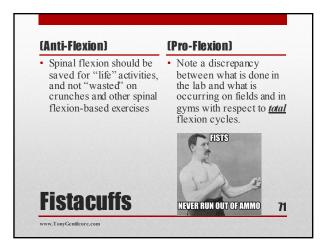
# Quadruped Variations Cat-Camel Side Lying Windmill KB Pullover w/ Foam Roller Side Lying Extension-Rotation Prone Thoracic Extensions Prone Sphinx

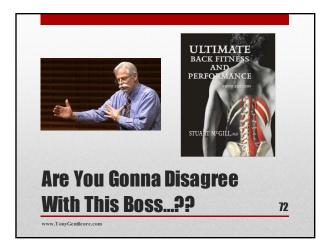




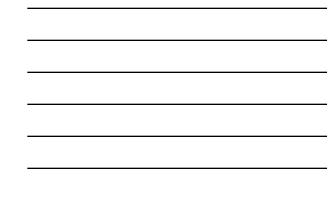


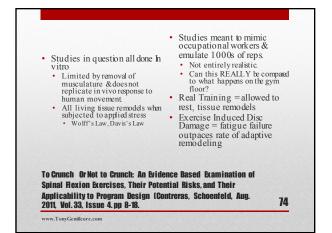


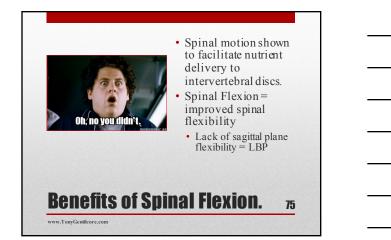


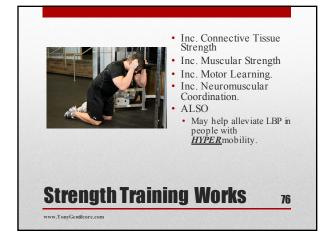




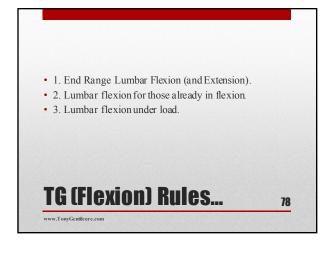




















### · Tall Kneeling to Standing

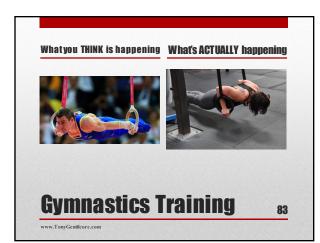
• Get-Ups

- KB Presses/Bottoms-Up Presses/Landmine Variations
- Pull-Ups/Chin-Ups
  - Hollow Position, Hollow w/ Stick, Hollow Toe Taps, Push-Up, Push-Up Walkouts, Bodysaws, Rollouts

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- Flex Hangs, Leg Raises
- TRX Progressions
- Band Assisted (Heavy/Light/Rule of 10)
- Grease the Groove

### Overhead Stuff That Doesn't Make Me Want to Swallow a Live Grenade





- Bench Press
- Rows

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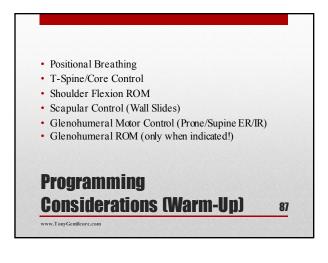
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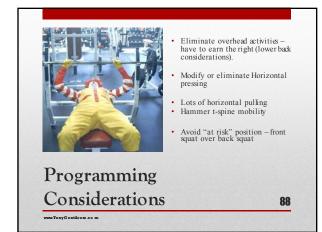
• BO Rows, Cable Row, DB Row, CSR, Batwing, TRX w/ Reach

Lets Discuss...

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# Programming Considerations Continued 89

 (feet-elevated push-up ISO holds>(feet-elevated) body weight push-up>stability ball push-up>weighted pushup>neutral grip DB floor press>neutral grip decline DB press>pronated grip decline DB press>barbell board press>barbell floor press>neutral grip DB press>low incline DB press>close grip bench press>bench press>barbell incline press>chicks will want to hang out with you.
 WIN!!!!!

## **Bench Press Progression**

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