

What are we going to be discussing?

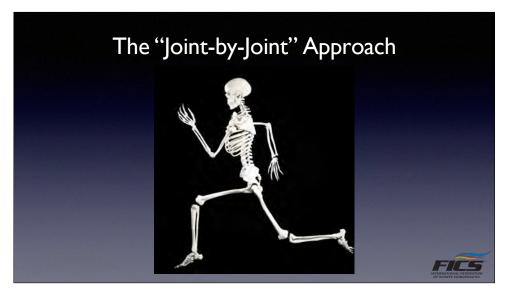
1. What is the "Joint-by-Joint" Approach
2. How to Evaluate Proper Mobility Needs of the Ankle
3. Mobilization Techniques to Improve Ankle Mobility
4. How to Evaluate the Stability of the Foot
5. Demonstrate a Variety of Stability Exercises for the Foot

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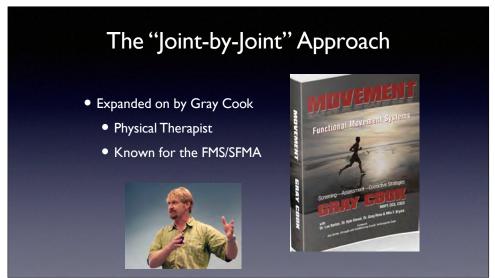


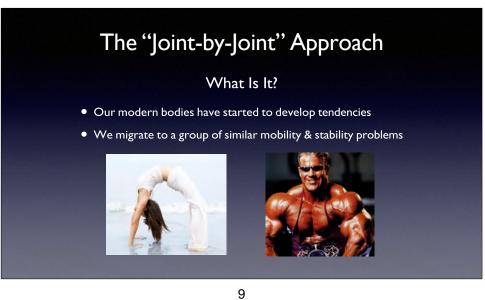




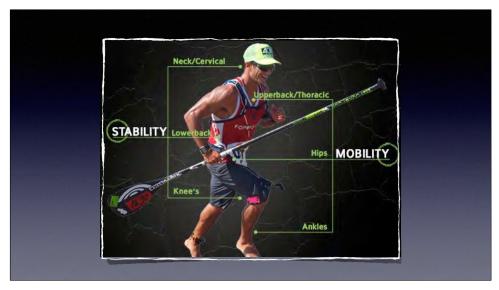


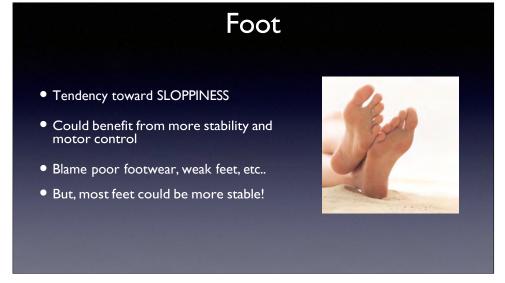


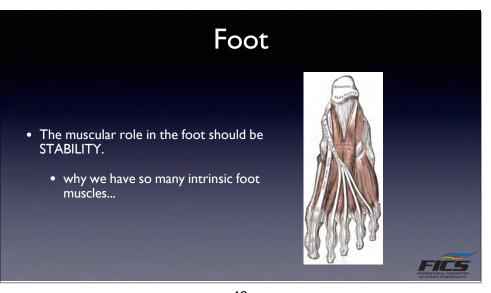




Joint	Primary Need	
Big Toe	Mobility	
Foot	Stability	
Ankle	Mobility (sagittal plane)	
Knee	Stability	
Hip	Mobility (multi-planar)	
Lumbar Spine	Stability	
Thoracic Spine	Mobility	
Scapula	Stability	
Gleno-Humeral	Mobility	
Cervical Spine (low/mid)	Stability	THE SHARE
Cervical Spine (upper)	Mobility	
		FICS

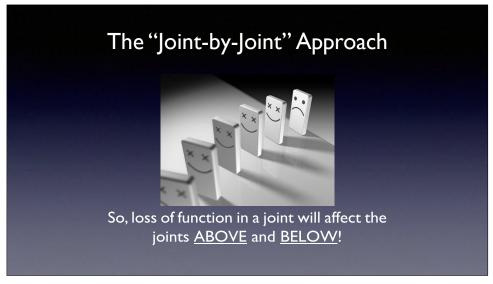












### The "Joint-by-Joint" Approach

When the intended MOBILE joint becomes immobile, the stable joints are <u>FORCED</u> to move as compensation.

### The "Joint-by-Joint" Approach

When the intended STABLE joint becomes too mobile, the mobile joints are <u>FORCED</u> to become stiff as compensation.

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### The "Joint-by-Joint" Approach

You MUST look at the joints <u>above</u> and <u>below</u> the source of the pain!



### The "Joint-by-Joint" Approach

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 Direct connection between the stiffness of the basketball shoe and ankle taping

and....

• Increased incidence of patella-femoral syndrome in basketball players







### The "Joint-by-Joint" Approach

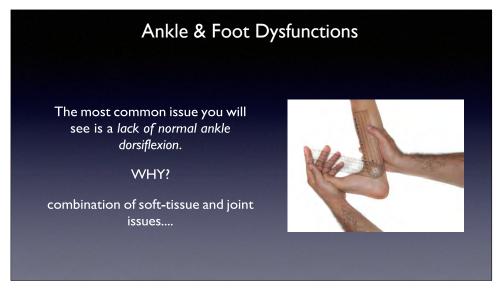
- This approach is NOT set in stone!
- There will be exceptions to the "rules"
- The point is to create a SYSTEMATIC approach to clear the joints above & below the problem area

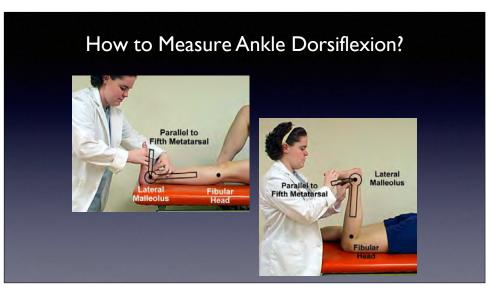


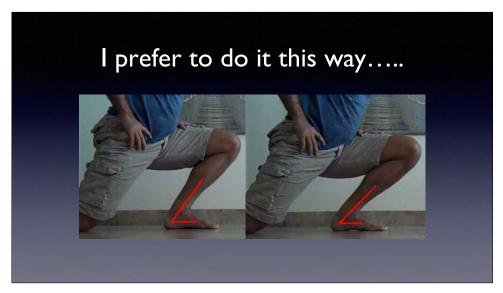


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Cervical Spine (upper)	Mobility

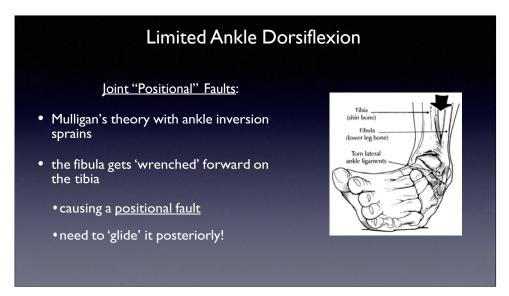








Ask them where it feels restricted!!!



## Remember.... For proper ankle dorsiflexion you need:

- Talus to glide POSTERIOR
- INTERNAL rotation of the tibia
- Distal fibula to glide POSTERIOR
- Proximal fibula to glide ANTERIOR



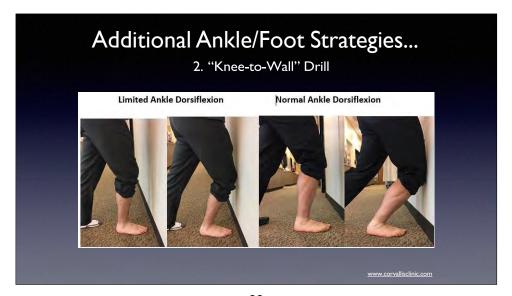
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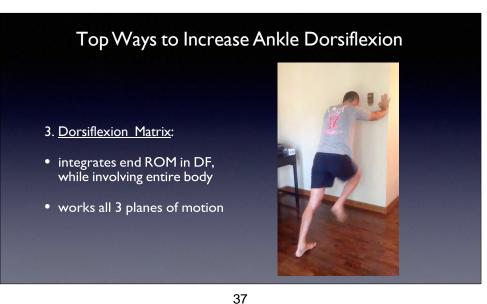
### Top Ways to Increase Ankle Dorsiflexion

- I. Mobs with Movement of:
- a. Talus (ant. to post.)
- b. Tibial Internal Rotation
- c. Distal Fibula (ant. to post.)
- d. Proximal Fibula (post. to ant.)















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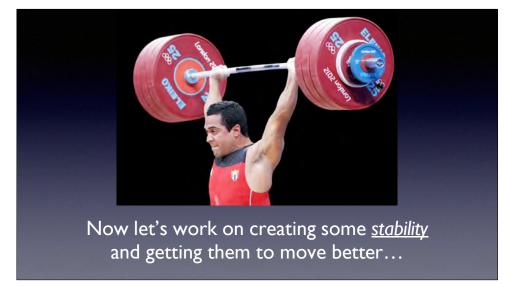




### Progession of Balance Training

- I. Eyes Open on Firm Ground
- 2. Eyes Open on Soft Surface
- 3. Eyes Closed on Firm Ground
- 4. Eyes Closed on Soft Surface
- 5. Dynamic Activity (i.e., playing catch with yourself)





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# The Foot

## The Foot 1. Standing Tripod Exercise: • Stand on both foot tripods • center of calcaneus, head of 1st metatarsal, head of 5th metatarsal • Then have patient lift one leg and remain on the other tripod • Toes up and keep pressure evenly throughout all 3 points of tripod



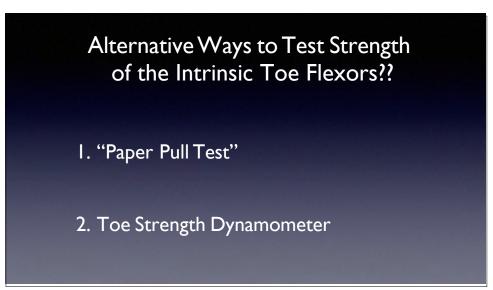


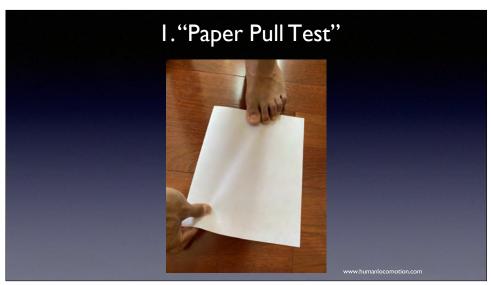


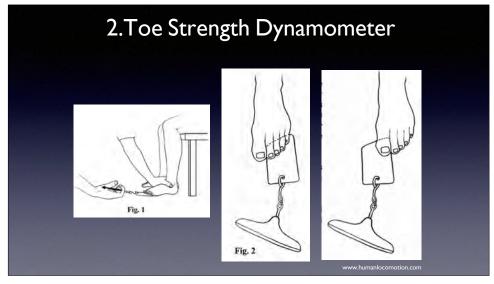


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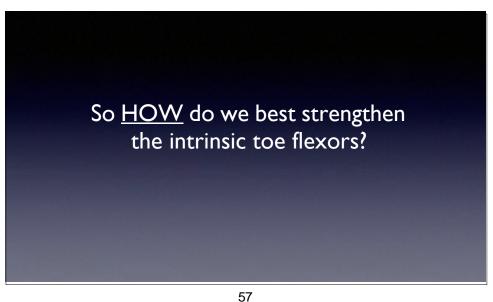
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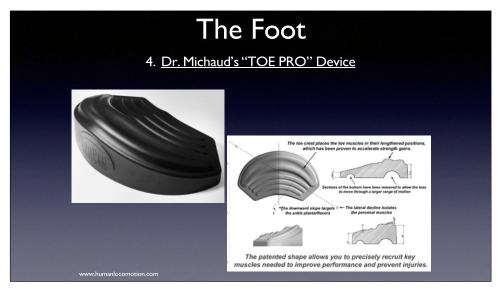


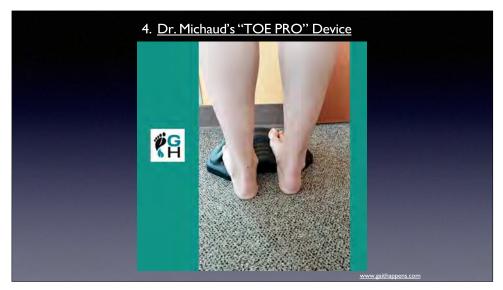


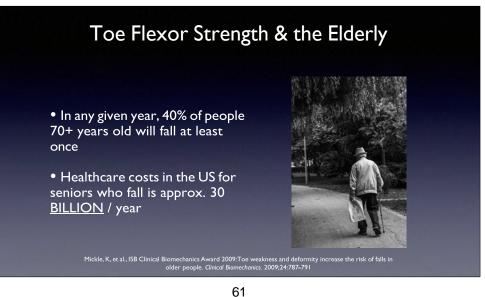


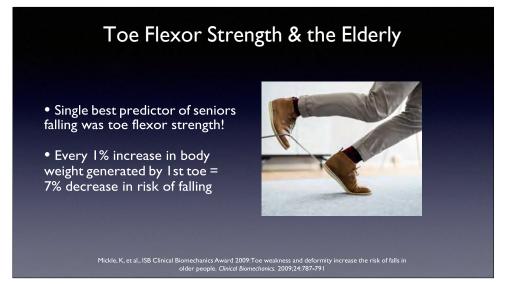


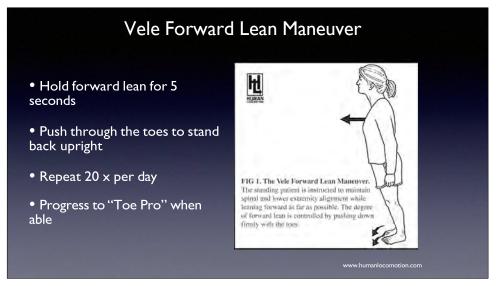












### IN CONCLUSION....

- 1. Consider Using the "Joint-by-Joint" Approach for your Assessment
- 2. Importance of Ankle Dorsiflexion Mobility
- 3. Mulligan's Mobilizations with Movement
- 4. Role of Balance in the Rehab of Ankle Sprains
- 5. Importance of Proper Strength & Endurance of the Intrinsic Foot Muscles
- 6. How to BEST Improve Strength/Endurance in the Intrinsic Foot Muscles

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