

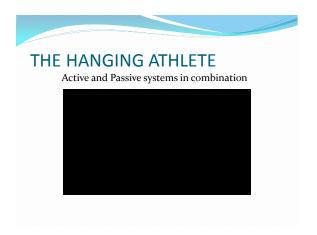
THE HANGING ATHLETE • General concepts • "system where the body is suspended or supported by a appliance and /or person." • "system is active or passive or both" • Active dominate • Passive dominate

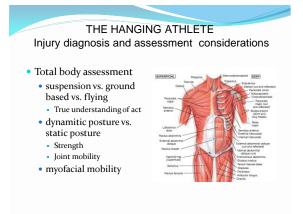






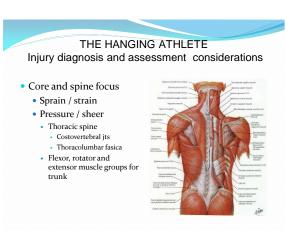






THE HANGING ATHLETE Injury diagnosis and assessment considerations Luga and Hip Macifar Pressure / sheer Lumbar spine Sacrolilac joint Greater trochanter joints Flexor, rotator and extensor muscle groups for trunk







THE HANGING ATHLETE

Injury diagnosis and assessment considerations

- Elbow, wrist and hand
 - Mostly related to
 - · Straps, hand loops, rope
 - · Any harness system
 - depending on choreography of the act.
 - Strain
 - · Flexors over extensors
 - Sprain
 - · Wrist, hand



THE HANGING ATHLETE

Injury diagnosis and assessment considerations

- Muscle balance and flexibility
- Testing
 - FMS, AOA, muscle strength testing
- Baseline requirements for activity
 - Harness, tissue, rope, high bar...ect



THE HANGING ATHLETE

Injury diagnosis and assessment considerations

- Safety and fitting of appliance
 - appliance
 Construction
 - Wear and tear
 - Yearly or periodic checks
 - Performer
 - · Re-fitted regularly
 - stress / strain points



THE HANGING ATHLETE

treatment and reconditioning considerations

- Glenohumeral Joint
- Rotator cuff
 - Scapular
 - · Elbow, wrist and hand
- Closed chair vs. open chain...both?
- Neuromuscular control
 - Hanging is passive...right



THE HANGING ATHLETE

Treatment and reconditioning considerations

- Thoracic spine mechanics and shoulder pain
 - Scapulo-humeral rhythumNot true linear
 - Thoracic mobility with arm overhead
 - mobilization vs. exercises



THE HANGING ATHLETE

Treatment and reconditioning considerations

- Lumbar-sacrum-greater trochanter joint complex
 - · Stability vs. mobility
 - Stabilizer, prime mover





THE HANGING ATHLETE

- Conclusion
 - Hanging is both passive and active
 - Hanging requirements are specific to act
 - Injury recognition is related to entire system
 - · Maintenance of system (fit and function)
 - Mobility vs. stability
 - Static posture vs. dynamitic posture
 - Treatment considerations
 - Everything is related to everything else!