

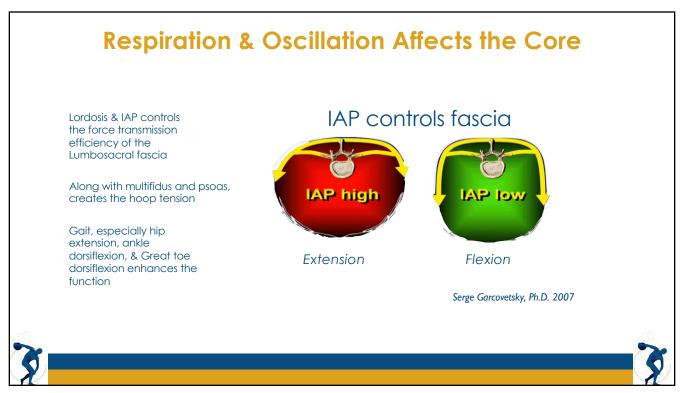


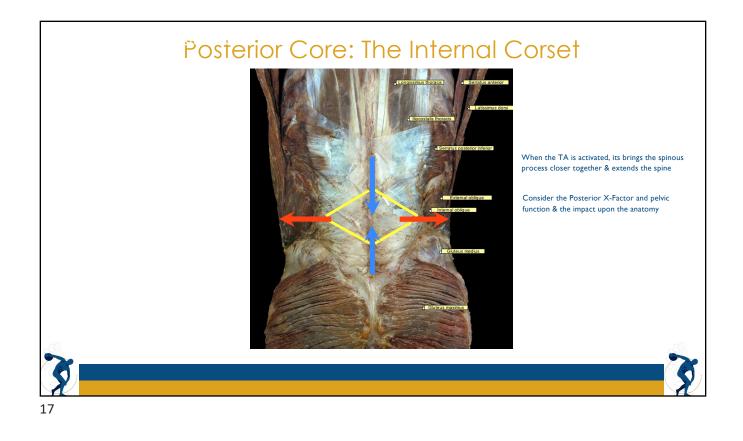
Functional Action	Phase 1: Deceleration	Phase 2: Transition	Phase 3: Acceleration	Pectorias maor Servalus anterior
Sagittal Plane	Assists in deceleration of spinal extension, lateral flexion & rotation	Assists in spine and pelvic stabilization	Assists in spine and hip flexion during toe off of the gait cycle	External obligation
Frontal Plane	Decelerates lateral flexion to the opposite side	Assists in spine and pelvic stabilization	Assists concentric lateral flexion to the same side	
Transverse Plane	Assists to decelerate rotatior of the spine and hips	Assists in spine and pelvic stabilization	Assists to accelerate rotation of the spine	L. Rectus abdomns
Origin	Pubic Crest			
Insertion	5-7 rib cartilage, xiphoid process		source:	
By the Book	Spinal Flexion, Posterior Pelvic Tilt	Principles, Co	5 Functional Traini ncepts, & Applicat t Publications, 2017	

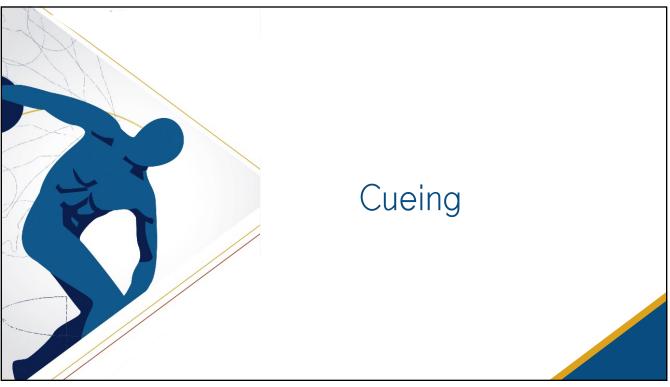
Functional Action	Phase 1: Deceleration	Phase 2: Transition	Phase 3: Acceleration	
Sagittal Plane	Assists in lumbo- pelvic-hip complex stabilization, assiss in deceleration of spinal extension	Assists in lumbo- pelvic-hip complex stabilization	Assists in spinal flexion	. External intercost
Frontal Plane	Assists in deceleration of lateral flexion to opposite side	Assists in lumbo- pelvic-hip complex stabilization	Assists in acceleration of hip abduction	a Internal Intercostal
Transverse Plane	Assists to decelerate Spinal rotation	Assists in lumbo- pelvic-hip complex stabilization	Assists in rotation to opposite side	External oblique Internal oblique Internal oblique Internal oblique International Internation
Origin	Lower 8 ribs			
Insertion	Abdominal aponeurosis & anterior iliac cre	st		
By the Book	Spinal flexion, rotation to the opposite side, po tilt and rotation	elvic Principles	source: s Into Functional Tra s, Concepts, & Appli arget Publications, 20	

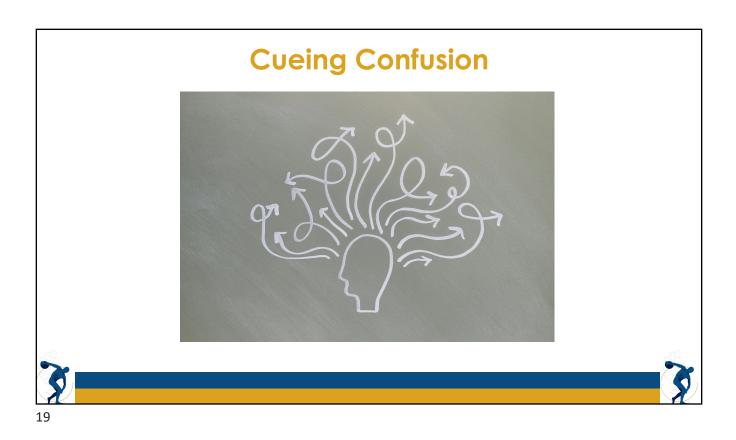
Functior Action		Phase 1: Deceleration	Phase 2: Transition	Phase 3: Acceleration	. Sorrabus anterior
Sagittal Pla		Assists in deceleration of spinal extension	Assists in spine and pelvic stabilization	Assists in spine rotation and hip flexion during toe off of the gait cycle	- Elisamo don
Frontal Pla	ne	Decelerates lateral flexion to the opposite side	Assists in spine and pelvic stabilization	Assists concentric lateral flexion to the same side	External intercostal Informal intercostal
Transverse Plane		Assists to decelerate rotation of the spine and hips to the opposite side	Assists in spine and pelvic stabilization	Assists to accelerate rotation of the spine	
Origin	ligam	crest, inguinal ient, icolumbar fascia			External oblique Creature abde
Insertion	Linea crest,	a Alba, pubic , lower 3 ribs			• Internal obique
By the Book	Poste	al Flexion, erior Pelvic Tilt, iteral spinal	Insights Into Principles, Con	source: Functional Training: cepts, & Applications, Publications, 2017	

Function Action	al Phase 1: Deceleration	Phase 2: Transition	Phase 3: Acceleration	
Sagittal Pla	Provides stabilization to the lumbar spine & synergistically supports central unit	Assists in spine and pelvic stabilization with synergistic relationship of the internal oblque, multifudus	Provides stabilization to the lumbar spine & synergistically supports central unit	External intercosta - Internal intercosta
Frontal Plai	Provides stabilization to the lumbar spine & synergistically supports central unit	Assists in spine	Provides stabilization to the lumbar spine & synergistically supports central unit	
Transverse Plane	Provides stabilization to the lumbar spine & synergistically supports central unit	Assists in spine and pelvic stabilization with synergistic relationship of the internal oblque, multifudus	Provides stabilization to the lumbar spine & synergistically supports central unit	, External ob que , Internal o
Origin	thoracolumbar fascia, cartilage of last 6 ribs, iliac crest			
Insertion	Posterior Linea Alba, pubic crest,			
By the Book	Central unit support	Insights Into I Principles, Con	source: Functional Training: cepts, & Applications , Publications, 2017	

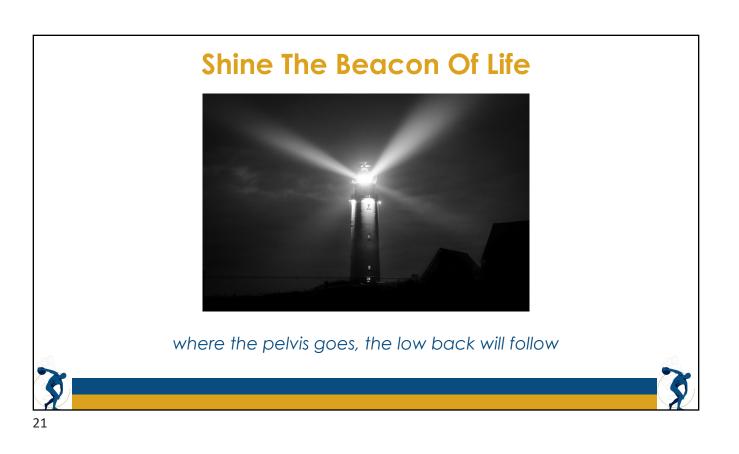


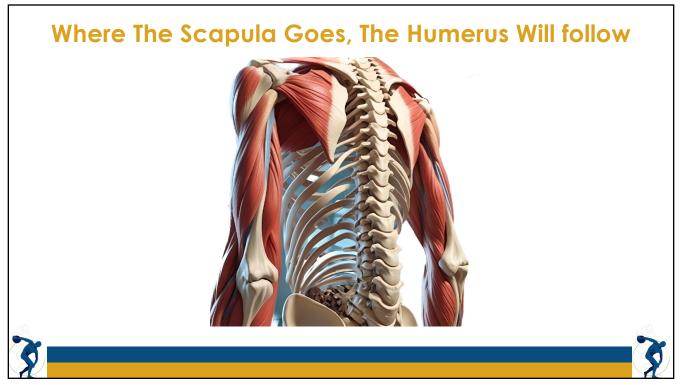




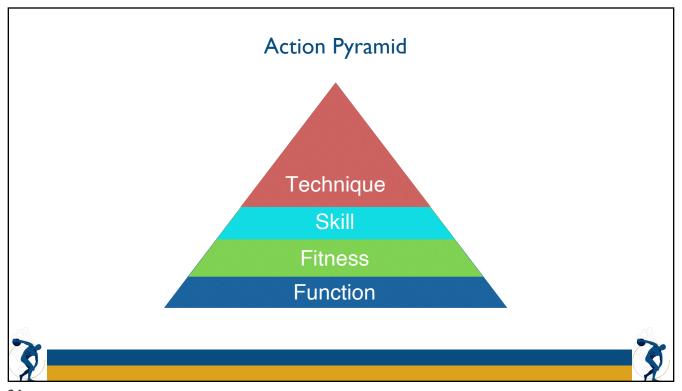






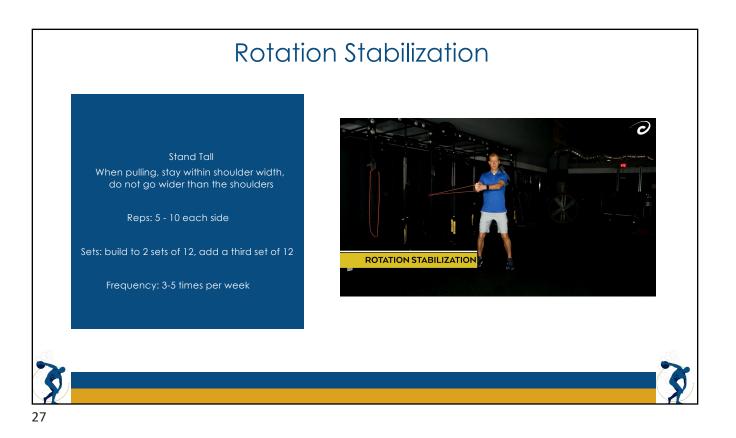


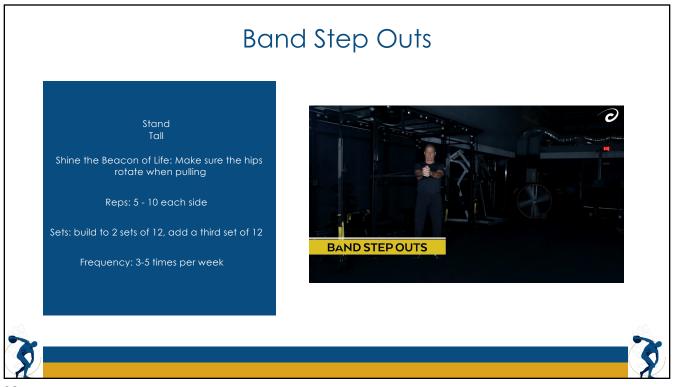


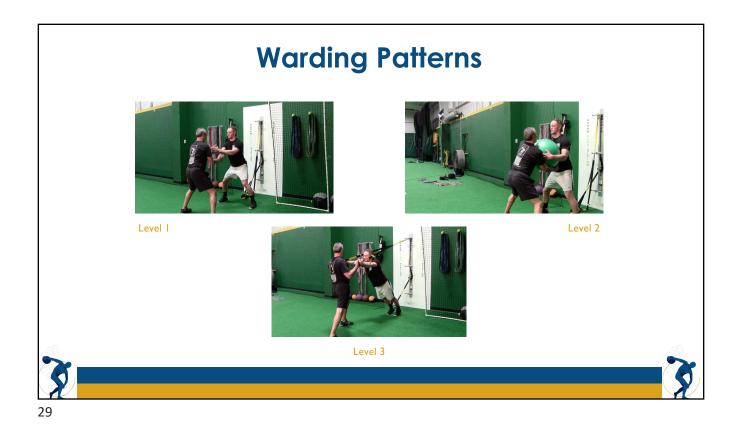




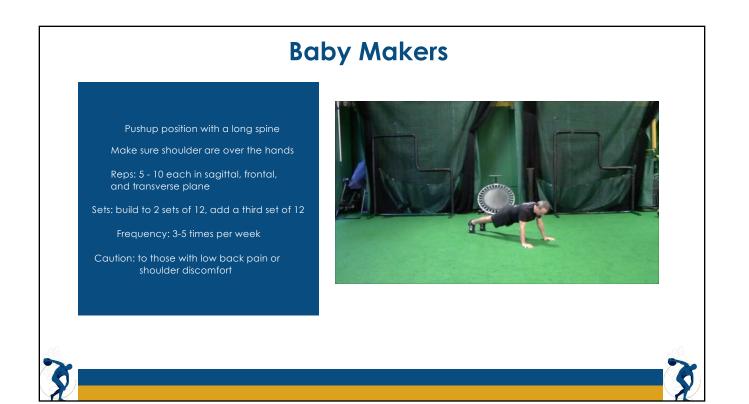












Pushup Potpourri

Pushup position with a long spine

Make sure shoulder are over the hands

Reps: 5 - 10 each in sagittal, frontal, and transverse plane

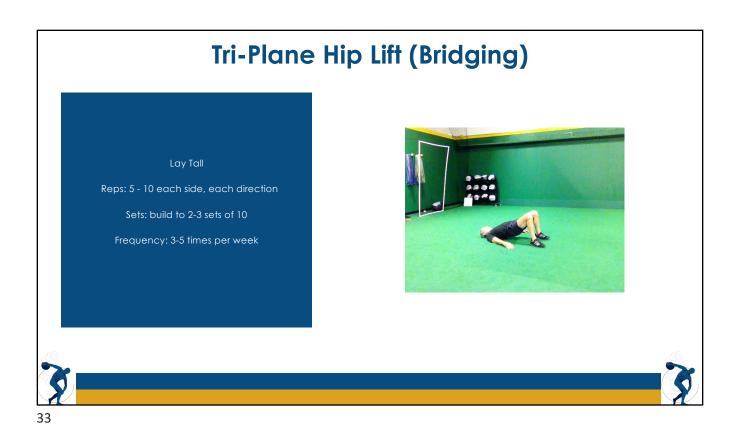
Sets: build to 2 sets of 12, add a third set of 12

Frequency: 3-5 times per week

Caution: to those with low back pain or shoulder discomfort









Pushup position with a long spine

Make sure shoulder are over the hands

Reps: 5 - 10 each in sagittal, frontal,

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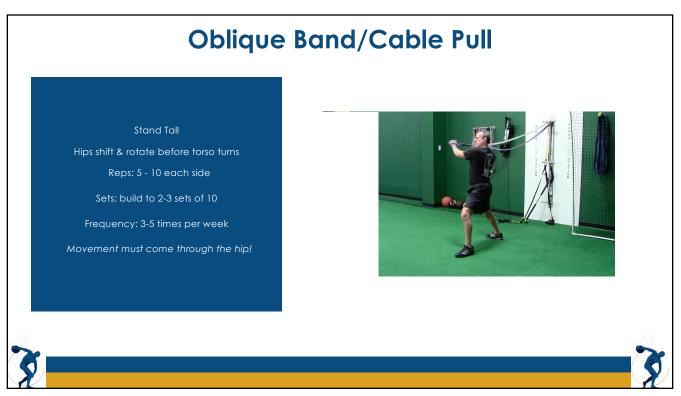
Caution: to those with low back pain or shoulder discomfort



Single Leg Balance Posterior Overhead Reach

Stand Tall Reps: 5 - 10 each side Sets: build to 2-3 sets of 10 Frequency: 3-5 times per week Movement must come through the hip! Contraindicated for those with low back pain







Stand Tall Start with neutral stance, then try staggered

Reps: 5 - 10

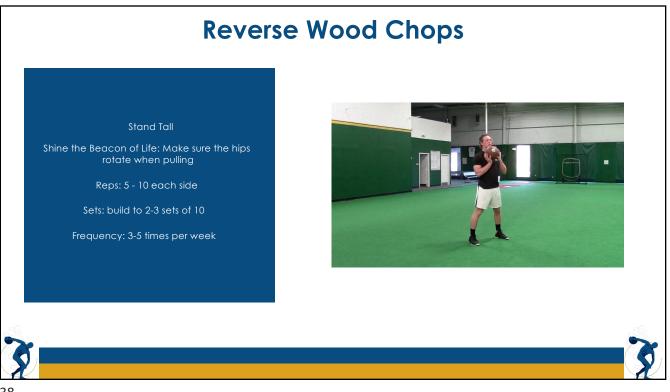
Sets: build to 2 sets of 12, add a third set of 12

Frequency: 3-5 times per week

Caution if the client has low back or shoulder problems







Medball Ground Based Patterns

Pushup position with a long spine Make sure shoulder are over the hands

Reps: 5 - 10 each in sagittal, frontal, and transverse plane

Sets: build to 2 sets of 12, add a third set of 12

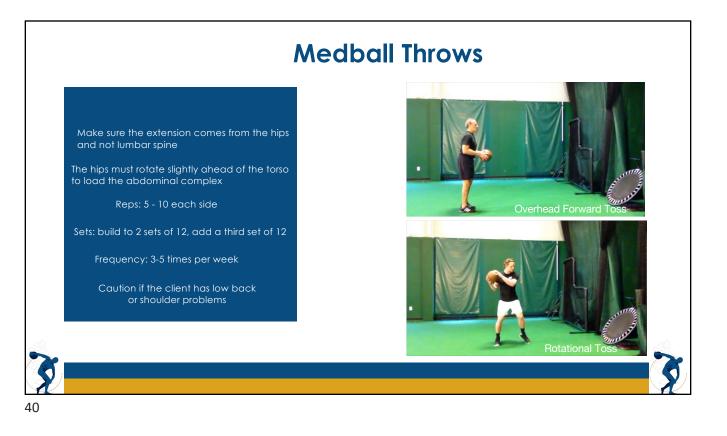
Frequency: 3-5 times per week

Caution: to those with low back pain or shoulder discomfort









TRX Rip Trainer Rotational Pulls

Stand Tall Shine the Beacon of Life: Make sure the hip rotate when pulling

Reps: 5 - 10 each side

Sets: build to 2 sets of 12, add a third set of 12

Frequency: 3-5 times per week



ViPR Frontal Plane Overhead Reach

Stand Tall

Shine the Beacon of Life: Make sure the hips rotate when pulling

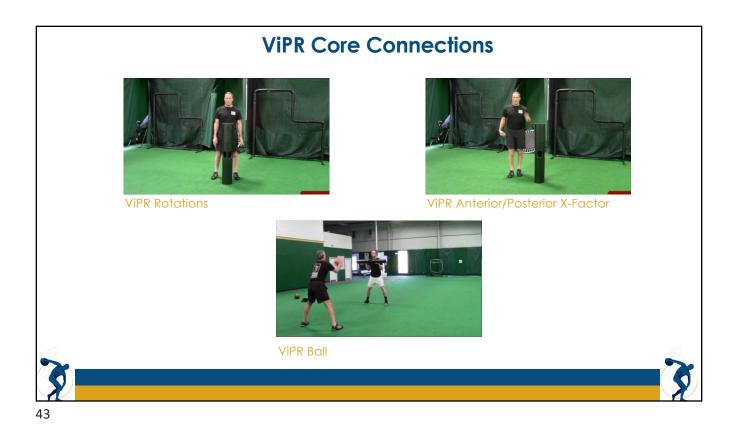
Reps: 5 - 10 each side

Sets: build to 2-3 sets of 10

Frequency: 3-5 times per week



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Stand Tall

Shine the Beacon of Life: Make sure the hips rotate when pulling

Reps: 5 - 10 each side

Sets: build to 2-3 sets of 10

Frequency: 3-5 times per week









