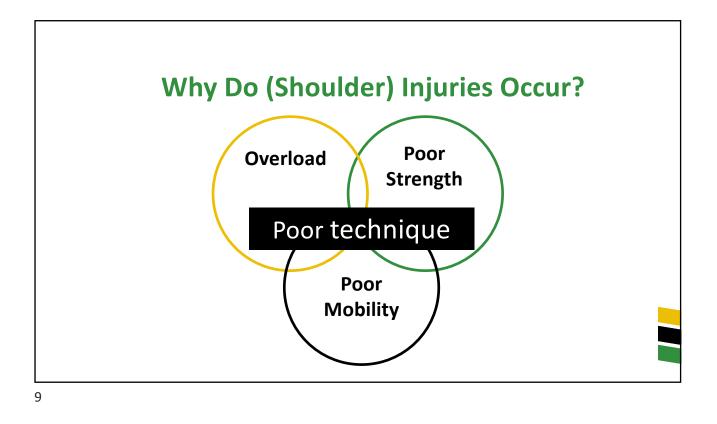


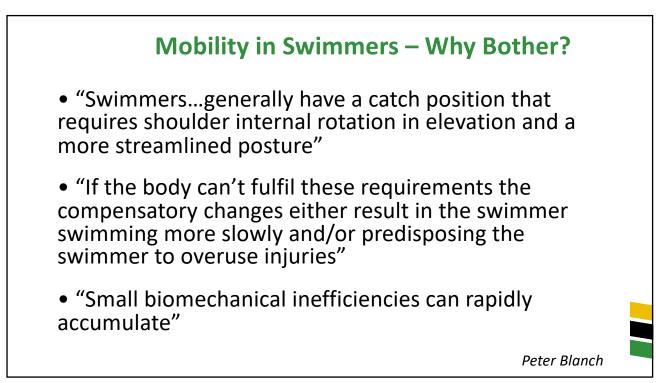
# In Other Words... Swimmers require: • Good sleep • Good food and hydration • Good recovery • Address life stresses, particularly mood, anxiety, depression • Optimise mobility \*These are the absolute essentials/basics!\*

#### **Injuries in Swimming**

- Point prevalence of shoulder pain is up to 95%
- Shoulders represent by far the most time lost in (elite) swimmers
- Often multi-factorial in nature
  - Tendon
  - Bursa
  - Labrum



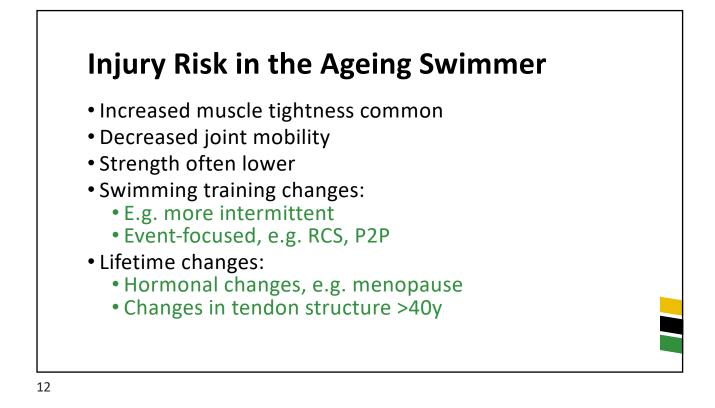


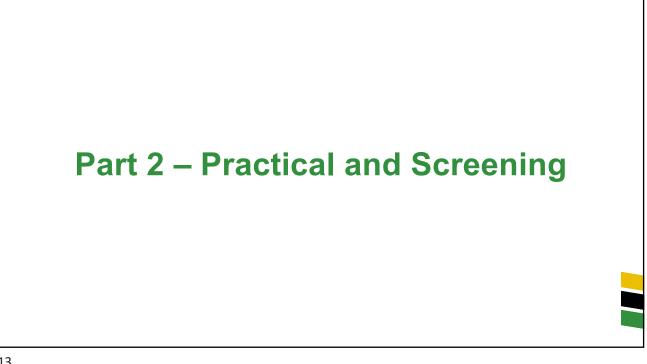


### **Key Areas of Mobility in Swimmers**

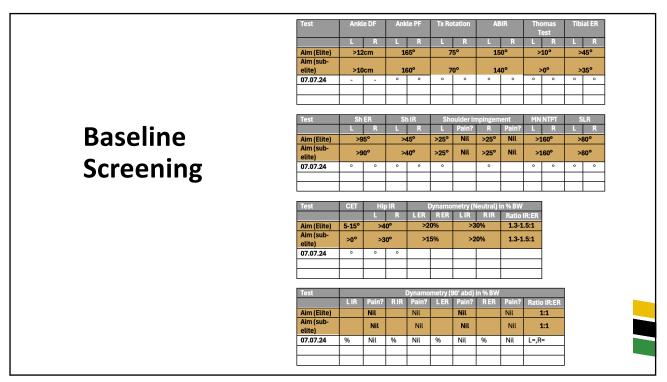
- Thoracic rotation
- Shoulders
- Hips
- (Hip extension / Hip flexors)
- (Hamstring and sciatic nerve)





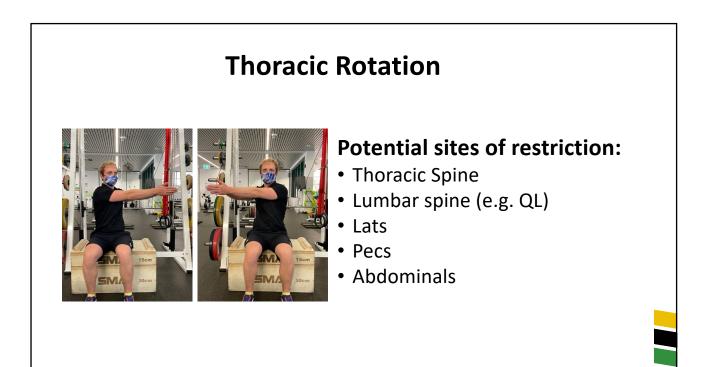


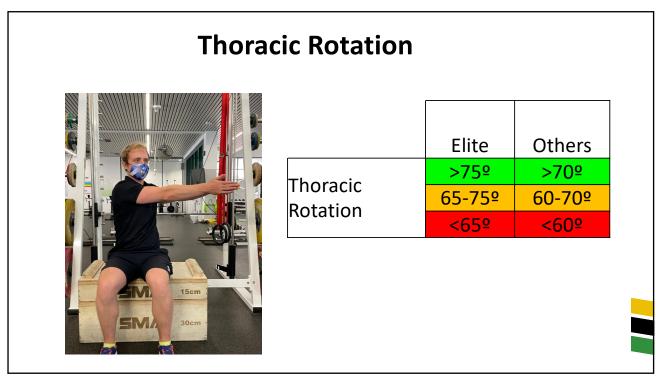
1	3
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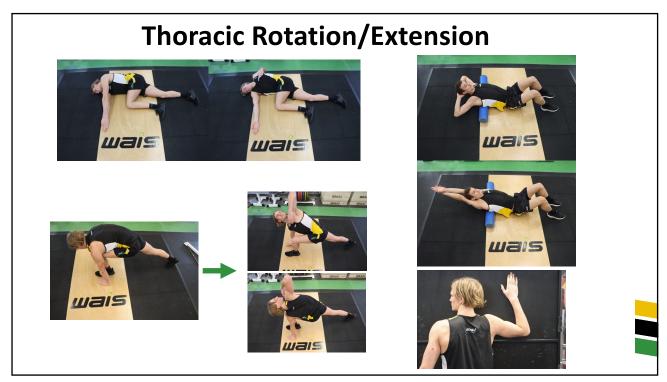




## **Rotation and Extension**

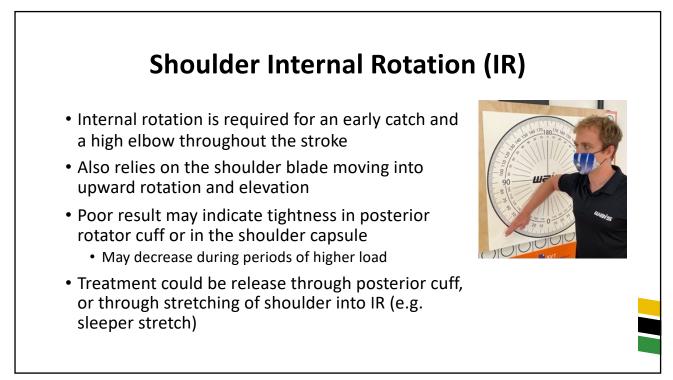


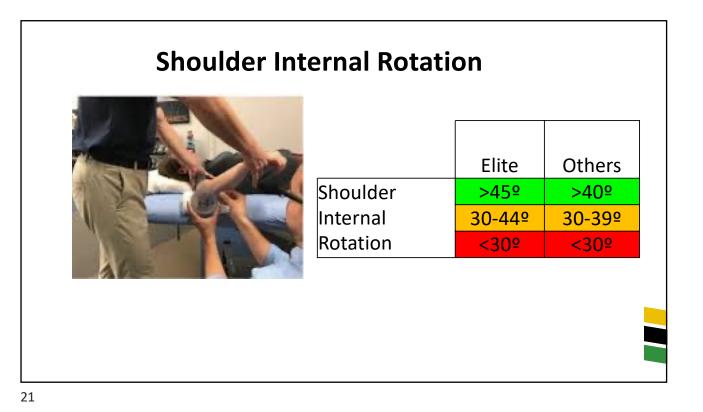


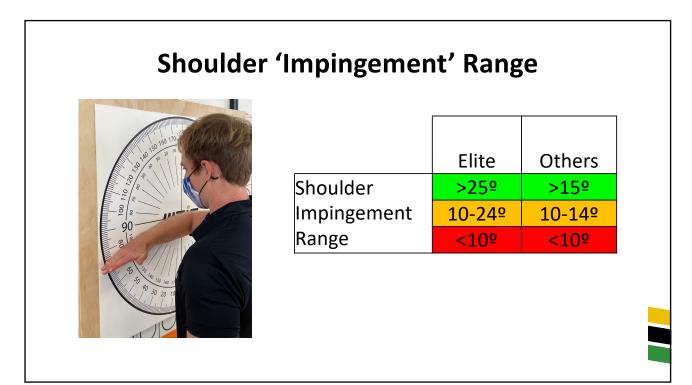


# The Shoulder

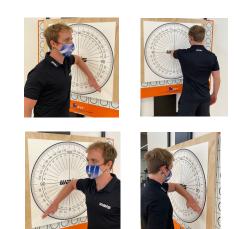
Rotation





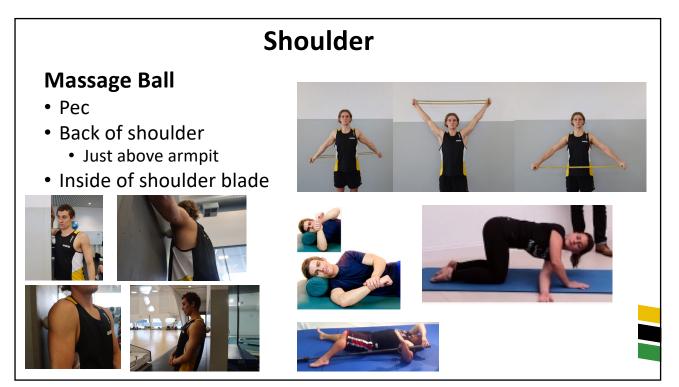


## **Shoulder Restriction**



Potential sites of restriction:

- Back of shoulder joint
- Medial shoulder blade
- Posterior rotator cuff
- Shoulder joint
- Pecs/lats

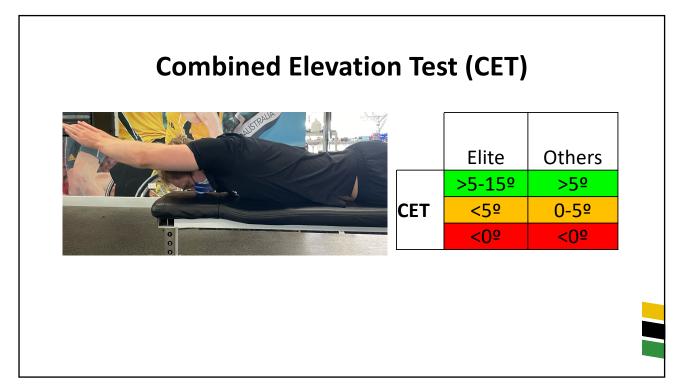




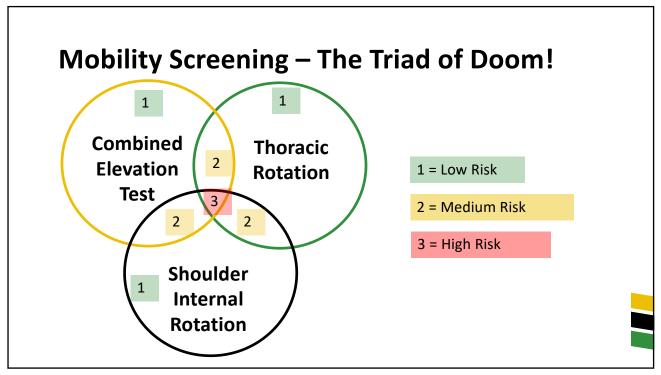
- Combined elevation is required for:
  - High elbow at the start of the stroke
  - Recovery phase
  - Streamline position
  - Glide in breast-stroke
  - Kick sets on a board!



- It is a measure of thoracic spine extension (either joint-related, or muscular, e.g. abdominals), but also shoulder ROM (e.g. pecs, lats)
- Treatment could be release through pecs, lats, thoracic spine (rotations and/or extension)

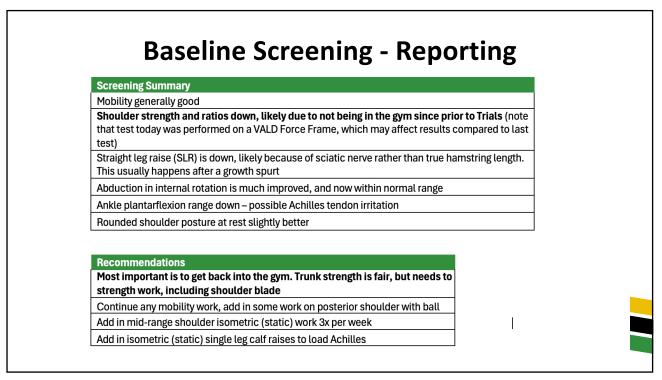


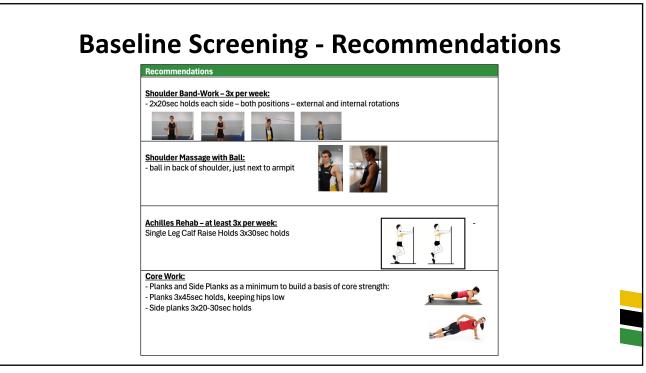


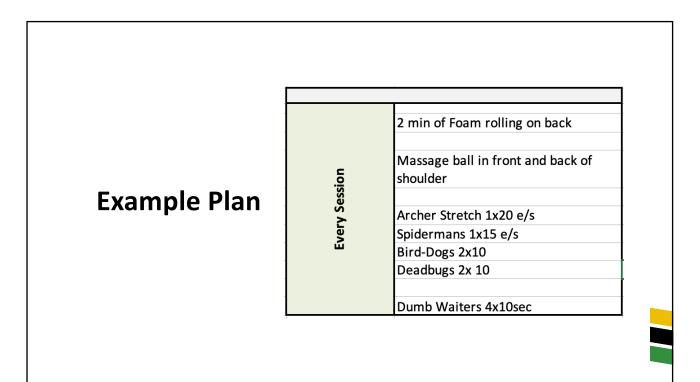


# Part 3 - Implementation of Screening

29







		CIRCUIT 1	
			Reps
	Trunk	Foam Roller Thoracic	10 slow
	Trunk	Archer Stretch (banded)	10/side
	Hip	Trigger ball / roll glutes	30sec
	Hip	Trigger ball / roll TFL	30sec
	Knee	Foam roll hamstrings	10 slow
Specific Post- Screening -	Knee	Foam roll quads	10 slow
crooning	Knee	Hammy neural glides	10
cieeining -	Hip	Hip flexor stretch	10 pulses
lan	Hip	Adductor rock back	10sec
	Ankle	Banded knee to wall	5/side (3 directions
	Ankle	Downward dog toe tap	5/side
	Trunk	Childs pose with thread the needle	5/side
	Shoulder	Trigger front & back of shoulder	30sec
	Shoulder	Trigger release pec	30sec
	Trunk	Half kneeling thoracic rotation on wall	5/side
	Shoulder	Lat stretch	30sec

