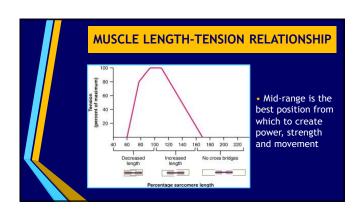
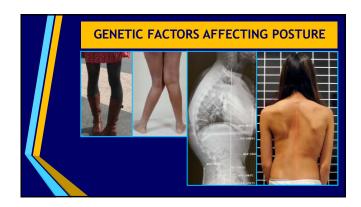
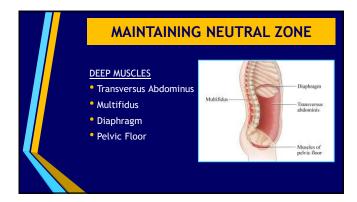


OPTIMAL POSTURE Optimal joint position Equal distribution of force Allows muscles to work at optimal efficiency Defined by musculoskeletal restrictions Symmetrical weight transference





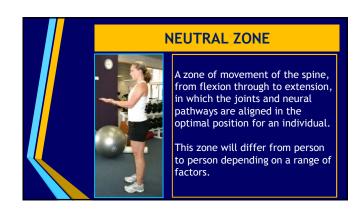


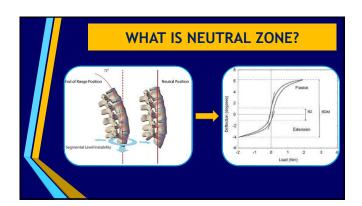






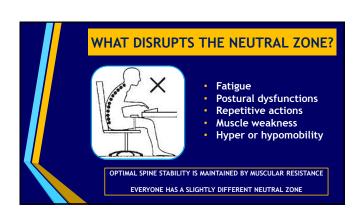


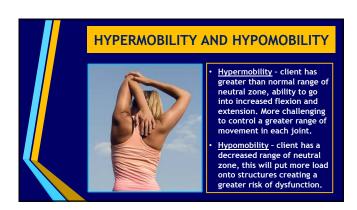




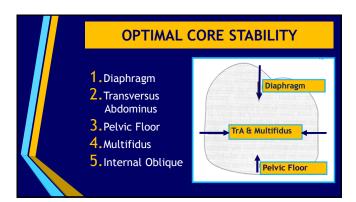




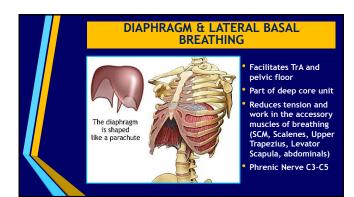


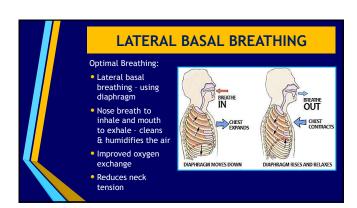


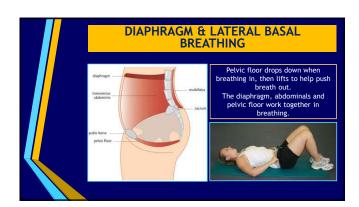


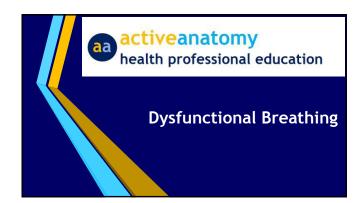


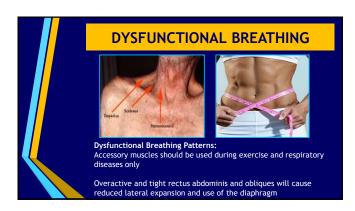


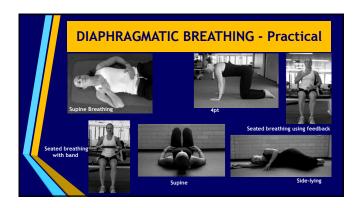


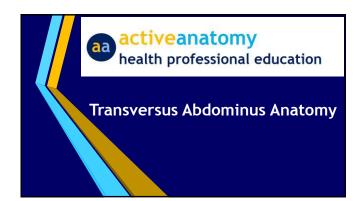


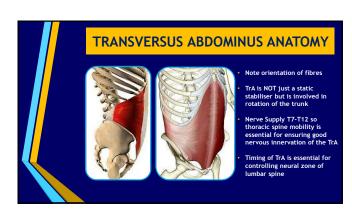


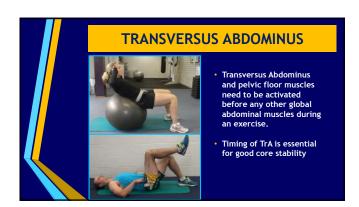












TRANSVER

TRANSVERSUS ABDOMINUS

- Active Anatomy recommends thoracic mobility and lateral basal breathing exercises before beginning core strength training
- This will assist with activation of TrA and quality of contraction

TRANSVERSUS ABDOMINUS FACTS

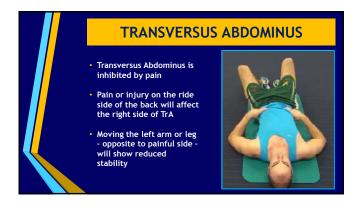
- Line of fibres are not purely horizontal
- Has a role in rotation of the spine not just stability
- Easier to contract with movement of the legs and arms (TrA is a movement muscle!)
- Timing of TrA is essential must be first before movement (feed forward)
- Supplied by nerves from thoracic T7-T12
- Inhibited by pain can be left or right side only
- Facilitated with breathing and pelvic floor contraction
- Left and Right TrA are functioning separately with leg and arm movements - opposite TrA stabilises

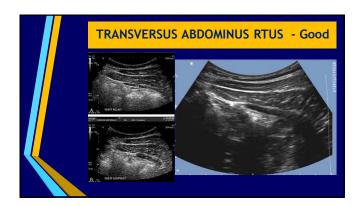
TRANSVERSUS ABDOMINUS

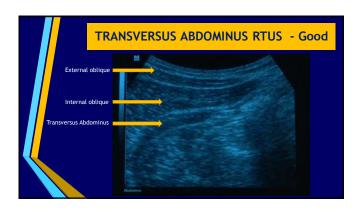
- Movement will facilitate activation of Transversus Abdominus
- Moving the left leg will help to activate the right Transversus Abdominus - it is a contralateral stabiliser



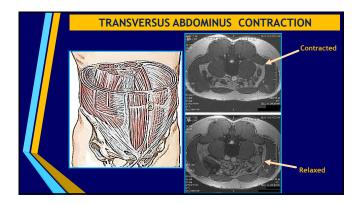
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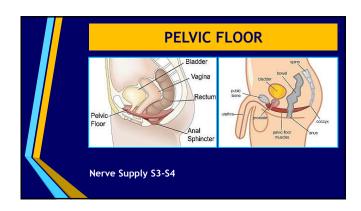


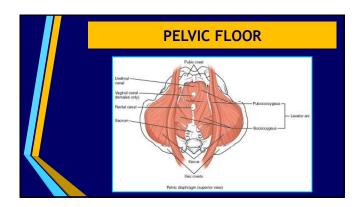


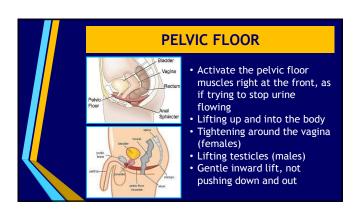








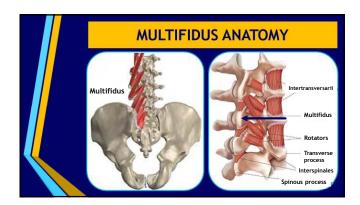




TOP TIPS FOR PELVIC FLOOR MUSCLE TRAINING Do not clench your buttocks and tuck bottom under Do not use your inner thighs - adductor muscles Do not hold your breath - keep normal breathing Do not push downwards - gripping abdominals Your lower tummy will draw in - you should feel a lift and squeeze sensation from the pelvic floors Contract the muscle gently - this is better than trying too hard Think of a quiet wee.....shhhhh!

PELVIC FLOOR ACTIVATION Best position for pelvic floor activation is sitting on the edge of a chair or a ball with slight lean forwards.





MULTIFIDUS PRACTICAL TIPS

- Sitting in slumped poor posture nothing
- Sitting in good posture upright low level
- FEEL for OPPOSITE multifidus muscles stabilising
- Sitting leaning forward using under load of gravity Increased
- Standing Rocking side to side
- Standing arm lift forwards
- Standing lunge forwards feel it adjust to load of moving leg

















