

Mid-back stiffness

Exercises to ease thoracic spine discomfort

GET A STIFF, achy mid-back after long rides? Physio and osteopath Lewis Wood addresses the likely causes and suggests preventive measures



FITNESS | Injury prevention

your thoracic spine during extended periods of exercise. Your frame size, top tube length, saddle height/position, and stem dimensions must fit you correctly. Before you buy a new bike, it's a good idea to go for a professional bike fit. For more details, visit www.bikefitting.com.

It's also important to hold your posture while riding. Do you regularly exercise or stretch your thoracic spine to prevent aches, discomfort and pains in your back? Researchers have discovered that some people sit for more than 11 hours a day, racking up over 4,000 hours a year! Too much sitting time not only causes spinal joint restrictions and poor posture, but studies have also shown a real link between sitting time and reduced life expectancy. One study suggested that people aged over 45 who sat for 11 hours a day or more were 40 per cent more likely to die prematurely.

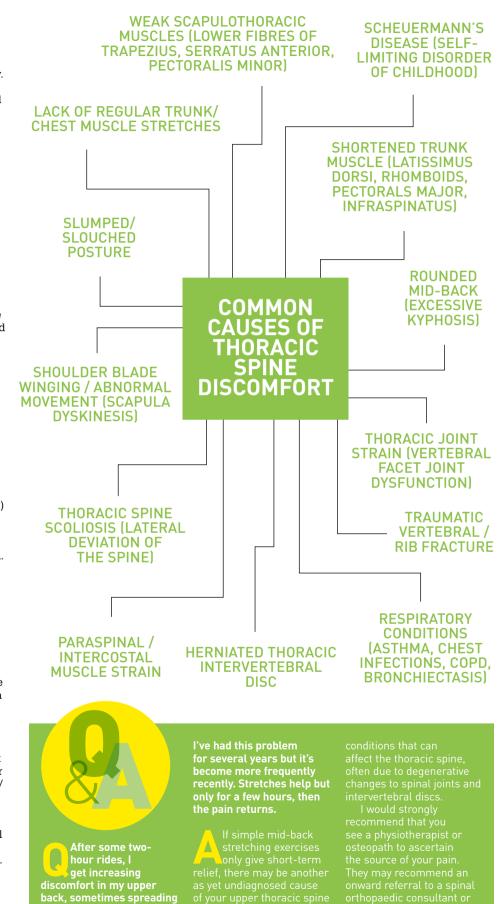
What exactly is your thoracic spine?

The thoracic (dorsal) vertebral column is the middle section of your spine, comprised of 12 vertebral segments and 12 ribs forming your rib cage. These spinal joints are naturally stiff and strong to provide stability, whereas the cervical spine (neck) is 'designed' for flexibility and is capable of twisting 180 degrees, while the lumbar spine is designed for power and strength.

Why is your thoracic spine so important for posture?

Seeing a teenager slouched over a smartphone, you don't have to be an expert to recognise their poor posture: the giveaway is their rounded mid-back. The position of the mid-back is vital to the curvature of the rest of the spine; that's why it's known as a 'central key point' of movement. Lifting, twisting or shifting the centre of your thoracic spine affects the position and postural control of your upper limbs, neck and shoulder girdle. Raising your breast bone elongates your neck/ trunk, pulls your shoulders back and activates the stabilising scapula muscles.

If necessary, consult a medical professional to identify the exact cause of your thoracic spine pain. This may require an x-ray or MRI scan. Consult a registered physiotherapist, osteopath, orthopaedic spinal consultant or your local GP for more advice.



... **Self-help exercises to improve** your thoracic spine flexibility Using these self-help exercises may yield immediate benefits and reduce mid-back stiffness. Complete these specific exercises immediately before and after each ride and again 24 hours later SIDE TRUNK STRETCH Raise your right arm above your head. Hold your right wrist with your left hand and gently pull your arm upwards. Then bend your trunk forwards and to the left, until a trunk stretch is felt. Hold for 30sec and repeat three or four times on both sides. **FOAM ROLLER MID-BACK** Place the foam roller between your shoulder blades while lying on your back with your knees bent. Interlock your fingers behind your neck. Gently extend backwards over the roller while you exhale. Maintain this position for two seconds and repeat twice for the upper/middle/lower parts of your thoracic spine. Take caution not to over-extend on the foam roller. MASSAGE SHOULDER BLADE MUSCLE on top. Slowly move up and down While standing with your back against the wall, to massage a small area at a time for up to place a tennis ball at the bottom of your right

shoulder blade muscle. Put your right arm on

to your left shoulder with your left arm crossed

down my arms/forearms.

one minute. Move tennis ball higher and

repeat on both sides.