Anatomy & Physiology: Muscles—Interspinales.

STRUCTURE.

- Origin: superior surface of spinous processes.
- Insertion: inferior surface of psinous process of vertebra superior to the one of origin.

FUNCTION.

- Concentric action: extend vertebral column (acting together); stabilize vertebral column (acting singly).
- Reverse mover action: extend lower spine.
- Eccentric action: control/restrains/slows neck and trunk flexion.
- Isometric action: stabilize head and spine.
- Innervation: cervical, thoracic, and lumbar spinal nerves.
- Arterial supply: dorsal branches of posterior intercostal arteries.

CLINICAL SIGNIFICANCE.

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