MG21888 | THORACIC HUMAN SPINAL COLUMN MODEL



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This life-size anatomical model of the thoracic spine accurately depicts the anatomy of the thoracic region of the vertebral column, including 12 thoracic vertebrae and intervertebral discs, in addition to the thoracic spinal nerves. Mounted on a polymer base with a support and metal rod, the model is detailed and carefully hand-painted, facilitating the identification of structures.

Applications:

The model is ideal for the study of anatomy in schools and universities, professional training in orthopedics, chiropractic medicine, sports medicine and rehabilitation, patient explanations and for medical and scientific information purposes. It is an effective educational tool for demonstrating procedures.

Technical Advantages:

* Detailed and accurate representation of anatomical structures.
* High-quality natural molding.
* Manufactured from stable and resistant synthetic material.
* Resin approved in toxicological tests.
* Life-size original replicas.
* Includes an information card with related structures.

* Hand-painted and numbered for precise identification of structures.

3D Technology and Augmented Reality:

Our anatomical models offer a visual complement through information cards that activate 3D models viewable in augmented reality (AR). This interactive platform aids learning, allowing for comparative analysis of anatomical structures and offering resources for continuing education in anatomy, physiology and pathophysiology.

Technical Specifications:

* Material: Synthetic resin.
* Scale: Life-size.
* Includes polymer base with support and metal rod.

Main Structures:

Thoracic nerves: The thoracic nerves are 12 pairs of nerves that emerge from the spinal cord in the thoracic region. Each nerve innervates specific structures of the thorax and abdomen, including muscles, skin and organs.

T1: The first thoracic vertebra (T1) is the most superior vertebra of the thoracic region of the vertebral column. It presents transitional characteristics between the cervical and thoracic vertebrae.

T2: The second thoracic vertebra (T2) continues to exhibit the typical characteristics of thoracic vertebrae, such as costal foveae for articulation with the ribs.

T3: The third thoracic vertebra (T3) is a typical thoracic vertebra, with morphological characteristics similar to adjacent vertebrae.

T4: Similar to T3, the fourth thoracic vertebra (T4) presents the characteristics of a typical thoracic vertebra.

T5: The fifth thoracic vertebra (T5) maintains the morphological characteristics of a typical thoracic vertebra.

T6: The sixth thoracic vertebra (T6) presents the characteristics common to typical thoracic vertebrae.

T7: The seventh thoracic vertebra (T7) resembles in morphology the adjacent thoracic

vertebrae.

T8: The eighth thoracic vertebra (T8) maintains the typical morphological characteristics of thoracic vertebrae.

T9: The ninth thoracic vertebra (T9) is a typical thoracic vertebra.

Intervertebral discs: The intervertebral discs are fibrocartilaginous structures located between the vertebral bodies, acting as shock absorbers and allowing movement between the vertebrae.

Vertebral body: The vertebral body is the anterior, voluminous portion of the vertebra, which supports the weight of the body.

Vertebral foramen: The vertebral foramen is the large central opening in the vertebra, which houses the spinal cord.

Lamina: The laminae are flattened bony structures that form the posterior wall of the vertebral foramen.

Spinous process: The spinous process is a posterior bony projection of the vertebra, palpable in the midline of the back.

Transverse process: The transverse processes are lateral bony projections of the vertebra, which serve as insertion points for muscles and ligaments.

Other structures can be verified directly on the physical piece or on the interactive 3D model.

About the Anatomical Models:

They are developed with resin replication technology, supplying the scarcity of natural anatomical pieces for teaching and research. They present all the essential morphological characteristics with excellent cost-benefit, good resistance, hand painting and numbering for precise identification of structures.

Acquire your anatomical model and provide an enhanced and interactive learning experience at your institution. Contact us to

List of all visible structures:

- thoracic nerves
- T1

- T2
- T3
- T4
- T5
- T6
- T7
- T8
- T9
- T10
- T11
- T12
- intervertebral discs
- vertebral body
- vertebral body
- vertebral foramen
- lamina
- spinous process
- transverse process