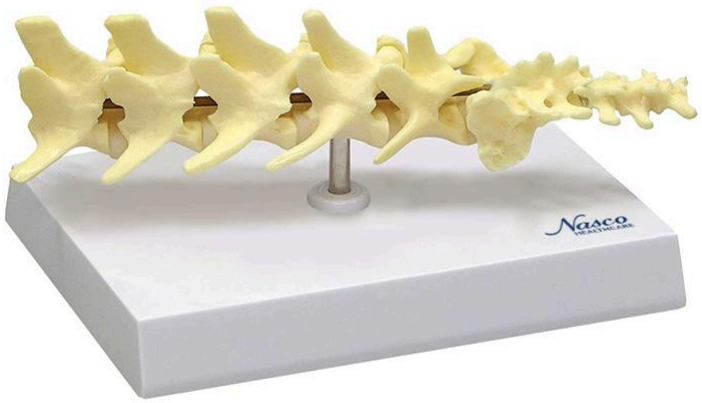
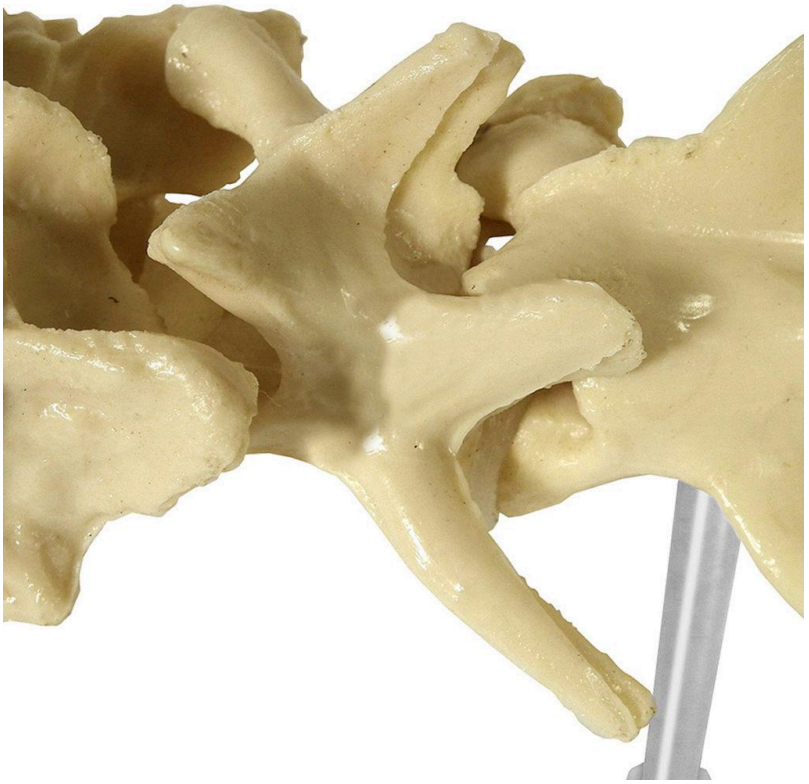
MG29736 | CANINE LUMBAR VERTEBRAL





This model represents the lumbosacral and caudal region of the canine vertebral column, including 5 lumbar vertebrae (L3-L7), the sacrum, and caudal vertebrae. It is mounted on a synthetic base and includes an information card.

Applications:

Ideal for veterinarians, veterinary students, and medical professionals who work with animals. Indicated for the study of canine anatomy, demonstration of joints and related pathologies, and as a support tool for consultations and veterinary office personalization.

Technical Advantages:

* Detailed representation of the lumbosacral and caudal region of the canine vertebral column.
* High-fidelity natural molding.
* Made of resistant and durable synthetic material.
* Produced with plastic approved in toxicological tests.
* Includes an information card with related structures.
* High-precision original replicas.

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 assists learning, allowing comparative analysis of anatomical structures and offering resources for continuing education in anatomy, physiology, and pathophysiology.

Technical Specifications:

* Material: Synthetic plastic.
* Scale: Average size.
* Includes polymer base with support and metal rod.

Main Structures:

Caudal Vertebrae: The caudal vertebrae, also known as coccygeal vertebrae, are the vertebrae that make up the dog's tail. Their number varies, but they are generally smaller and simpler than the vertebrae of the lumbar and thoracic regions.

Median sacral crest: A prominent bony crest that runs along the dorsal midline of the sacrum. It results from the fusion of the spinous processes of the sacral vertebrae.

Lumbosacral junction: Represents the articulation between the last lumbar vertebra (L7) and the sacrum. This joint is crucial for the flexibility and support of the lumbar region.

Lumbar Vertebra L7: The seventh lumbar vertebra, the most caudal of the lumbar region, articulates with the sacrum, contributing to the stability of the vertebral column.

Lumbar Vertebra L6: The sixth lumbar vertebra is a typical vertebra of the lumbar region, presenting a vertebral body, transverse processes, spinous process, and vertebral arches.

Lumbar Vertebra L5: Similar to other lumbar vertebrae, L5 contributes to the flexibility and support of the lumbar region, articulating with adjacent vertebrae.

Lumbar Vertebra L4: Typical lumbar vertebra, with morphological characteristics similar to vertebrae L5 and L6.

Lumbar Vertebra L3: The third lumbar vertebra, more cranial in the series, presents structural characteristics similar to other lumbar vertebrae.

Vertebral body: The anterior and largest portion of the vertebra, responsible for much of the weight support.

Spinous process: Posterior bony projection that projects from the vertebral arch, serving as a point of muscle insertion.

Transverse process: Lateral bony projections that project from the vertebral arch, also serving as sites of muscle and ligament insertion.

Intervertebral disc: Fibrocartilaginous structure located between the vertebral bodies, responsible for shock absorption and flexibility of the vertebral column.

Sacrum: Bone formed by the fusion of three sacral vertebrae, articulating with the last lumbar vertebra and the ilium of the pelvic bone.

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 parts for teaching and research. They present all the essential morphological characteristics with excellent cost-benefit, good resistance, manual painting, and numbering for precise identification of structures.

List of all visible structures:

- Caudal vertebrae
- Median sacral crest
- Lumbosacral junction
- Lumbar vertebra L7
- Lumbar vertebra L6
- Lumbar vertebra L5
- Lumbar vertebra L4
- Lumbar vertebra L3
- Vertebral body
- Spinous process
- Spinous process
- Spinous process
- Spinous process
- Spinous process
- Transverse process
- Transverse process
- Transverse process
- Transverse process
- Transverse process

- Intervertebral disc
- Intervertebral disc
- Intervertebral disc
- Intervertebral disc
- Sacrum