



**MG7391 | CAT SKULL (FELIS CATUS),
REPLICA**











Cat Skull Replica is a life-size anatomical model of an adult domestic cat, featuring details and characteristics that reproduce the natural skeleton. It features an articulated mandible, allowing observation of the bone structures.

Applications:

Ideal for the study of bone structures in veterinary, animal anatomy courses, and for the training of animal care professionals. Used by instructors, teachers, and students.

Technical Characteristics:

- * High-fidelity natural molding;
- * Manufactured from stable and durable synthetic material;
- * Precise replicas;
- * Hand-painted;
- * Resin material approved in toxicological tests;
- * Includes an information card with related structures;
- * Easy cleaning and resistant to high temperatures;
- * Realistic and odorless.



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:

- * Scale: Life-size of an adult domestic cat.
- * Material: Resin.

Main Structures:

Occipital Bone: Bone located at the back of the skull, forming the base of the skull and articulating with the first cervical vertebra (atlas). It presents the foramen magnum, through which the spinal cord passes.

Parietal Bone: One of the bones of the neurocranium, forming most of the cranial vault. It is located posteriorly to the frontal bone and laterally to the occipital bone.

Frontal Bone: Flat bone that forms the anterior part of the calvaria (skull roof) and contributes to the formation of the orbit. It articulates with the parietal, nasal, and zygomatic bones.

Maxilla: Paired bone that forms the upper skeleton of the face, contributing to the formation of the palate, orbit, and nasal cavity. Houses the upper teeth.

Mandible: Single bone that forms the lower dental arch, articulating with the maxilla at the temporomandibular joint. It is mobile, allowing mastication.

Zygomatic Bone: Paired bone that forms the prominence of the face (cheekbone), articulating with the frontal bone, maxilla, and temporal bone.

Temporal Bone: Paired bone located laterally at the base of the skull, containing important structures of hearing and balance, such as the tympanic bulla and the external acoustic meatus.

Nasal Bone: Paired bones that form the bridge of the nose. They articulate with the frontal bones, maxillae, and vomer.



Orbital Cavity: The orbit is the bony cavity that houses the eyeball and its accessory structures. It is formed by several cranial bones, including the frontal, zygomatic, maxillary, lacrimal, and sphenoid bones.

Upper/Lower Dentition: The teeth of the cat's skull, differentiated into incisors, canines, premolars, and molars, adapted for predation.

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, offering an alternative for teaching and research. They present the essential morphological characteristics with a good cost-benefit ratio, good resistance, hand painting, and numbering for the identification of structures.

List of all visible structures:

- Vomer
- Nasal bone
- Maxilla
- Mandible
- Orbit
- Zygomatic bone
- Internasal suture
- Frontal bone
- Temporal bone
- Temporal bone
- Occipital bone
- Horizontal ramus (mandible)
- Canine
- Canine
- Incisor teeth
- Lacrimal bone
- Lacrimal bone
- Zygomatic process (frontal bone)
- Frontal process (zygomatic bone)
- Parietal bone
- Parietal bone
- Canine
- Canine



- Nuchal crest
- Tympanic bulla
- Tympanic bulla
- Sphenoid bone
- Zygomatic bone
- Palatine bone
- Median palatine suture
- Maxilla
- Basisphenoid
- Foramen magnum
- Occipital condyle
- Vomer
- External acoustic meatus
- Mandibular condyle
- Infraorbital foramen
- Nasomaxillary suture
- Premolar
- Premolar
- Mental foramen
- Angular process of the mandible
- Premolar
- Molar