



MG29837 | DENTAL MORPHOLOGY 4 TIMES ENLARGED, 7 PARTS





Nasco
HEALTHCARE



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This anatomical model shows three teeth in their natural position, demonstrating the progression of tooth decay in three distinct stages. The teeth are removable and mounted on a base representing the gum, allowing for detailed study of dental anatomy and the different stages of caries. The model is four times enlarged, facilitating visualization of the structures.

Applications:

Suitable for schools, universities, dentistry and orthodontics training, medical-scientific office demonstrations, oral surgery training, patient education, and dental procedure demonstrations. Appropriate for the study of dental anatomy and the progression of caries.

Features:

- * High didactic level;
- * Numbered and hand-painted;
- * Precise details to facilitate learning;
- * High-fidelity natural molding;
- * Made of resistant synthetic material;
- * Precise replicas;
- * Includes an information card with related structures;



- * Includes a support base;
- * Presents references and markings;
- * Resin approved in toxicological tests.

3D Technology and Augmented Reality:

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

Technical Specifications:

- * Scale: 4 times natural size
- * Material: Synthetic resin

Main Structures:

Crown: The crown is the visible portion of the tooth, covered by enamel, the outermost and most resistant layer of the tooth. Its shape varies according to the function of the tooth (incisors, canines, premolars, and molars).

Gums: The gums are the mucosa that covers the alveolar processes of the maxilla and mandible, surrounding and adhering to the cervical surface of the teeth. Its function is to protect the periodontal tissues and provide support to the teeth.

Initial stage caries: At this stage, caries affects only the enamel, the outer layer of the tooth. It appears as a white or darkened spot, often without symptoms.

Stage 2 caries: The caries progresses to the dentin, the layer below the enamel. The lesion may be more extensive and cause tooth sensitivity.

Stage 3 caries: At this stage, the caries reaches the dental pulp, the soft tissue containing nerves and blood vessels. Intense pain and infection are common.

About the Anatomical Models:

They are developed with resin replication technology, offering an alternative to natural anatomical models for teaching and research. They present the main morphological characteristics, combining cost-effectiveness, resistance, hand painting, and numbering for precise identification of the structures.



request information or a demonstration.

List of all visible structures:

- Crown
- Gingiva
- Stage 1
- Dental pulp
- Dentin
- Enamel
- Stage 3
- Extension of caries into the dental pulp and internal root
- Crown
- Stage 2
- Pulpitis
- Dentin penetration of caries