



MG13915 | COMPARATIVE MODEL OF TAENIA SAGINATA AND SOLIUM SCOLEX









Comparative Anatomical Model Taenia Saginata and Taenia Solium: This detailed model compares the structures of *Taenia saginata** (beef) and *Taenia solium** (pork), showing the anatomy of the proglottid in longitudinal section, in three stages of maturation: immature, mature, and gravid. Key structures, such as eggs, hooks, uterus, and testes, are clearly represented.

Applications:

Ideal for the study and teaching of parasitology, zoology, and comparative anatomy, in both academic environments (universities, technical schools) and professional training in the health area. Indicated for the detailed study of the morphology of *Taenia saginata** and *Taenia solium**, assisting in the understanding of life cycles and differentiating characteristics between the two species.

Technical Differentiators:

- * High-fidelity natural molding;
- * Manufactured from stable synthetic material and resin approved in toxicological tests;
- * Original replicas with enlarged scale;
- * Hand-painted with didactic colors;
- * Includes an information card with the related structures;
- * Model with a polymer base for support.



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

Technical Specifications:

* Material: Resin

* Scale: Enlarged several times the natural size.

Main Structures:

Suckers: Disc-shaped structures present in the scolex (head) of tapeworms, responsible for adhesion to the intestinal wall of the host.

Hooks: Curved, chitinous structures, also located in the scolex, which aid in the parasite's attachment to the intestine. Present only in *Taenia solium*.*

Rostellum: Small protrusion on the scolex of some tapeworms, which may contain hooks. Present in *Taenia solium**, absent in *Taenia saginata**.

Scolex: Cephalic structure of the worm, responsible for attachment to the host's intestine, containing suckers and, in some species, hooks.

Testis: Male reproductive organ in the mature proglottid, responsible for the production of sperm.

Uterus: Female reproductive organ in the proglottid, where the eggs develop. Its shape and branching vary according to the maturation stage of the proglottid and the species of tapeworm.

Ovaries: Female reproductive organs in the proglottid, responsible for the production of ova.

Vitellarium: Gland that produces the yolk, a nutritive substance for egg development.

Immature proglottid: Segment of the tapeworm's body still under development, without mature reproductive organs.

Mature proglottid: Segment of the tapeworm's body with a fully developed male and female reproductive system.

Gravid proglottid: Segment of the tapeworm's body full of eggs, generally at the end of the



strobila.

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 demand for anatomical pieces for teaching and research. They present the essential morphological characteristics with a good cost-benefit ratio, resistance, manual painting, and numbering for precise identification of the structures.

List of all visible structures:

- Sucker
- Hooks
- Rostellum
- Scolex
- Sucker
- Scolex
- Egg
- Cysticercus
- Testis
- Uterus
- Vas deferens
- Vagina
- Genital pore
- Immature proglottid
- Ovaries
- Vitellarium
- Testis
- Uterus
- Ovaries
- Vitellarium
- Cysticercus
- Genital pore
- Vagina
- Mature proglottid
- Uterus
- Gravid proglottid
- Excretory duct