



**MG40891 | HUMAN STOMACH WITH  
PANCREAS AND DUODENUM, 3 PARTS**





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Three-part anatomical model of the Stomach with Pancreas and Duodenum, offering a detailed visualization of the layers of the stomach wall, from the cardia to the pylorus. The front of the stomach and the opened duodenum, with the pancreas, are removable, allowing for in-depth observation of the internal structures and the longitudinal, circular, and oblique muscle layers, including nerves and vascular structures. The model also includes the lower esophagus and representation of blood vessels and nerves.

**Applications:**

Study of the digestive system in schools and universities; surgical dissection training; classrooms; patient education; procedure demonstration; medical and scientific information.

**Technical Characteristics:**

- \* Detailed representation of anatomical structures;
- \* High precision in model production;
- \* Inclusion of a variety of structures;
- \* High-quality natural molding;



- \* Made of resistant synthetic material;
- \* Anatomical replicas;
- \* Hand-painted;
- \* Includes an information card with related structures;
- \* Polymer base with support and metal rod;
- \* Resin with approval in toxicological tests.

### **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:**

- \* Scale: Life size
- \* Material: Synthetic resin

### **Main Structures:**

**Stomach:** Hollow muscular organ, part of the digestive system, responsible for the chemical and mechanical digestion of food. Receives the food bolus from the esophagus and transforms it into chyme, which is subsequently released into the duodenum.

**Lesser curvature of the stomach:** The concave border of the stomach, located along its medial margin.

**Greater curvature of the stomach:** The convex border of the stomach, located along its lateral margin.

**Body of the stomach:** The main portion of the stomach, located between the fundus and the pyloric part.

**Fundus of the stomach:** The superior and expanded portion of the stomach, located above the level of the lower esophageal sphincter.

**Superior part of the duodenum:** The first, short, and relatively mobile part of the duodenum, which connects to the pylorus of the stomach.



**Descending part of the duodenum:** The second part of the duodenum, which descends along the posterior abdominal wall. Receives biliary and pancreatic secretion.

**Inferior part of the duodenum:** The fourth and last part of the duodenum, which connects to the jejunum.

**Esophagus:** Muscular tube that transports the food bolus from the pharynx to the stomach.

**Left gastric artery:** Branch of the celiac trunk, irrigates the lesser curvature of the stomach.

**Right gastric artery:** Branch of the common hepatic artery, irrigates the lesser curvature of the stomach.

**Head of the pancreas:** Expanded portion of the pancreas, located near the duodenum.

**Hepatic portal vein:** Vein that carries blood from the gastrointestinal tract to the liver.

**Tail of the pancreas:** Tapered end of the pancreas, which extends to the hilum of the spleen.

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

#### **About the Anatomical Models:**

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

#### **List of all visible structures:**

- Stomach
- Lesser curvature of the stomach
- Greater curvature of the stomach
- Body of the stomach
- Fundus of the stomach
- Superior part of the duodenum
- Descending part of the duodenum
- Inferior part of the duodenum
- Esophagus
- Left gastric artery



- Right gastric artery
- Superior part of the duodenum
- Descending part of the duodenum
- Bile duct
- Head of the pancreas
- Hepatic portal vein
- Tail of the pancreas
- Bile duct