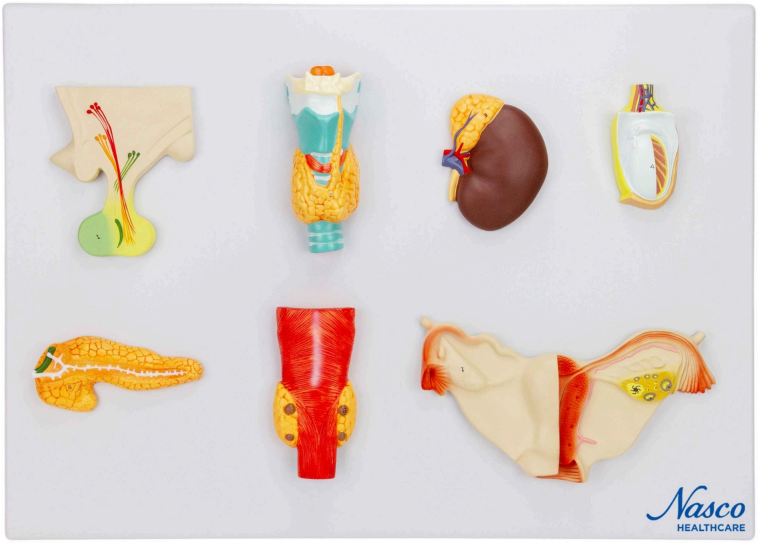
MG31320 | ENDOCRINE SYSTEM



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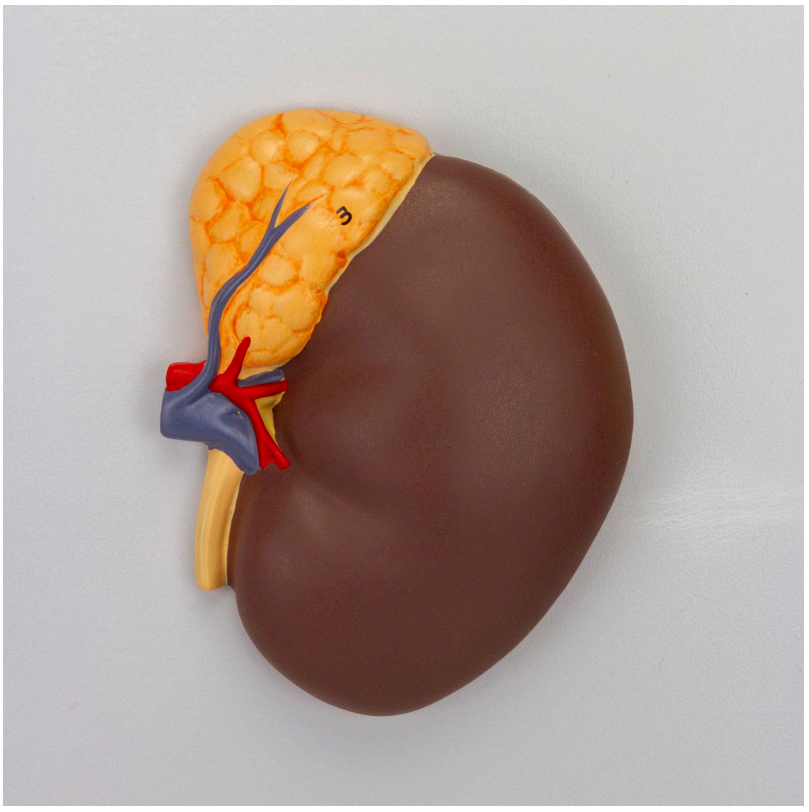

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A detailed, hand-painted representation of the main human endocrine glands, mounted on a base and numbered for easy identification. This model is ideal for the study of the anatomy and physiology of the endocrine system.

Applications:

This anatomical model is indicated for the study of anatomy in schools and universities, professional training, assisting in patient explanations, and for medical and scientific information purposes. It is suitable for use in clinics, classrooms, and demonstrations. It is also useful for the study of general medicine and as a complementary resource in surgical technique training.

Technical Differentials:

* Detailed representation of the main endocrine glands.
* Numbered and hand-painted for easy understanding.
* Produced with high-quality, non-toxic resin, approved in toxicological tests.
* Durability and resistance suitable for use in an educational environment.
* Includes an information card with augmented reality.
* Precise replicas of anatomical structures.

* High-fidelity natural molding.
* Manufactured from stable synthetic material.
* Comes 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 for the comparative analysis of anatomical structures and offering resources for continuing education in anatomy, physiology, and pathophysiology.

Technical Specifications:

* Scale: Life size
* Material: Non-toxic resin, approved in toxicological tests.

Main Structures:

Pituitary gland: Small gland located at the base of the brain, in the sella turcica of the sphenoid bone. It is considered the master gland of the body, controlling the function of other endocrine glands through the secretion of various hormones.

Thyroid gland: Located in the anterior region of the neck, below the cricoid cartilage, the thyroid produces the hormones thyroxine (T4) and triiodothyronine (T3), essential for basal metabolism, growth, and development.

Adrenal glands: Pairs of glands located on top of each kidney. They secrete hormones such as cortisol (important for metabolism and stress response) and adrenaline (involved in the "fight or flight" response).

Testicle: Male sex gland, located in the scrotum. It produces sperm and male sex hormones, mainly testosterone.

Pancreas: Organ located behind the stomach, with endocrine function (production of insulin and glucagon, which regulate blood glucose) and exocrine function (production of digestive enzymes).

Parathyroid gland: Small glands located on the posterior side of the thyroid. They secrete parathyroid hormone, crucial for regulating blood calcium levels.

Ovary: Female sex gland, located in the pelvic cavity. It produces eggs and female sex

hormones, such as estrogen and progesterone.

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 to natural anatomical models for teaching and research. They present the main morphological characteristics with a good cost-benefit ratio, adequate resistance, hand painting, and numbering for precise identification of structures.

Acquire your anatomical model and provide an enhanced and interactive learning experience at your institution.

List of all visible structures:

- Pituitary gland
- Thyroid gland
- Adrenal glands
- Testicle
- Pancreas
- Parathyroid gland
- Ovary