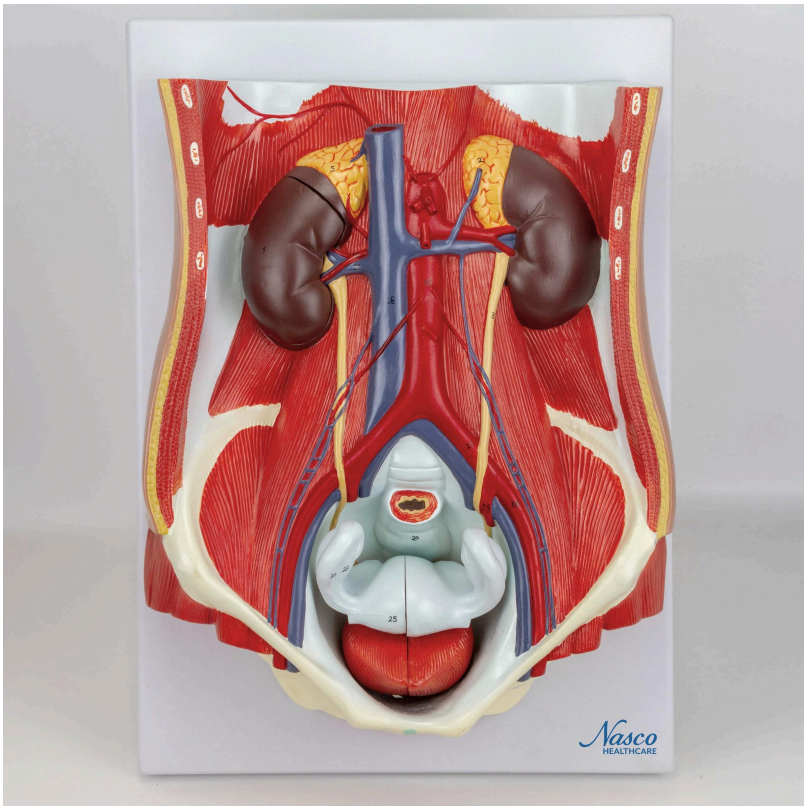
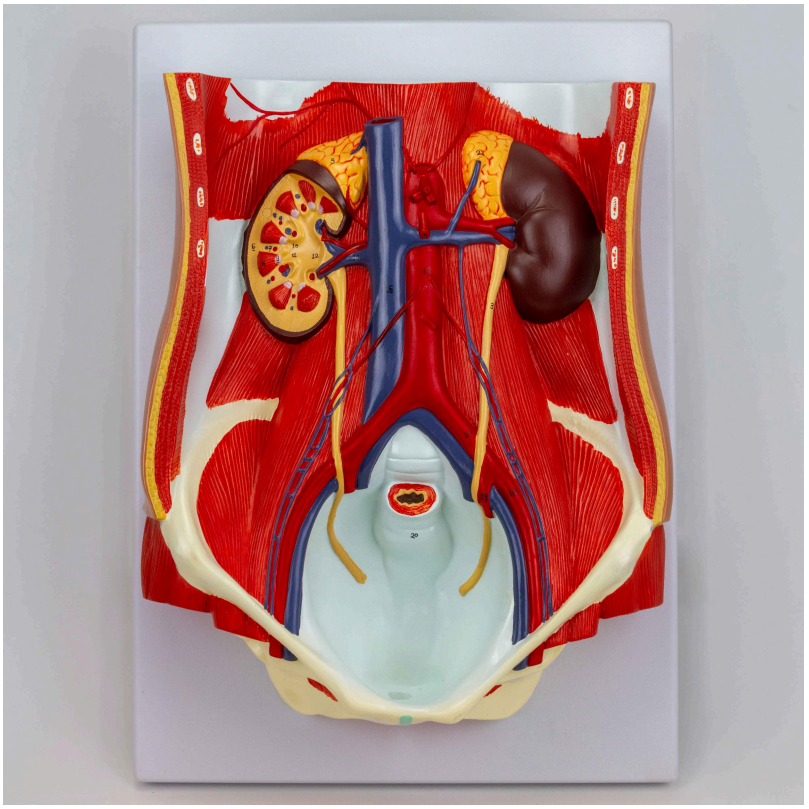
MG31345 | URINARY SYSTEM, DUAL-SEX, 6 PARTS



Nasco HEALTHCARE



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This 6-part anatomical model of the Male and Female Urinary System is life-size and meticulously hand-numbered and painted for ease of learning. The model includes structures of the retroperitoneal cavity, greater and lesser pelvis with bones and muscles, as well as detailed representations of the male and female urinary systems. The front half of the right kidney is removable, allowing for more in-depth study. The model is mounted on a polymer base for stability.

Applications:

* Anatomy studies in schools and universities.
* Professional training in the health area.
* Explaining the urinary system to patients.
* Medical and scientific information.
* Study of general anatomical structure.
* Training for surgical dissection.
* Patient education and procedure demonstration.

Technical Advantages:

* High-precision natural molding.
* Manufactured from stable and resistant synthetic material.
* Life-size original replicas.
* Hand-numbered and painted.
* Includes an information card with related structures.
* Resin approved in toxicological tests.
* High durability and possibility of repair in case of damage.

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

Technical Specifications:

* Scale: Life-size
* Material: Resin

Main Structures:

Right Adrenal Gland: Endocrine gland located superiorly to the right kidney, responsible for the production of hormones such as cortisol and aldosterone, essential for metabolism and blood pressure regulation.

Left Adrenal Gland: Endocrine gland located superiorly to the left kidney, with identical functions to its right counterpart in the production of vital hormones for the body.

Right Kidney: Excretory organ located in the retroperitoneal region, responsible for blood filtration, urine production, and maintaining the hydroelectrolytic balance.

Left Kidney: Excretory organ located in the retroperitoneal region, with identical functions to the right kidney in blood filtration, urine production, and homeostasis.

Inferior Vena Cava: Large vein that transports deoxygenated blood from the lower parts of the body to the right atrium of the heart.

Abdominal Aorta: Portion of the descending aorta that runs through the abdomen, supplying oxygenated blood to the abdominal organs through its branches.

Renal Vein: Veins that drain blood from the kidneys, transporting it to the inferior vena cava.

Left Ureter: Muscular tube that transports urine from the left kidney to the urinary bladder.

Common Iliac Artery: Artery that branches from the abdominal aorta and divides into external and internal iliac arteries, irrigating the lower limbs and pelvic organs.

Urinary Bladder: Hollow muscular organ that stores urine before urination. 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, meeting the demand for anatomical pieces for teaching and research. They present the essential morphological characteristics with excellent cost-benefit, resistance, manual painting, and numbering for precise identification of structures.

List of all visible structures:

- 1 - Left kidney
- 2 - Left suprarenal
- 3 - Left ureter
- 4 - Right kidney
- 5 - Right suprarenal
- 6 - Renal cortex
- 7 - Renal column
- 8 - Renal pyramid
- 9 - Renal papilla
- 10 - Minor calices
- 11 - Major calyx
- 12 - Renal pelvis
- 13 - Renal artery
- 14 - Renal vein
- 15 - Abdominal aorta
- 16 - Inferior vena cava
- 17 - Common iliac artery
- 18 - External iliac artery
- 19 - Internal iliac artery
- 20 - Rectum
- 21 - Urinary bladder
- 22 - Urethra

- 23 - Ovary
- 24 - Uterine tube
- 25 - Uterus
- 26 - Vagina
- 27 - Ductus deferens
- 28 - Seminal gland
- 29 - Prostate