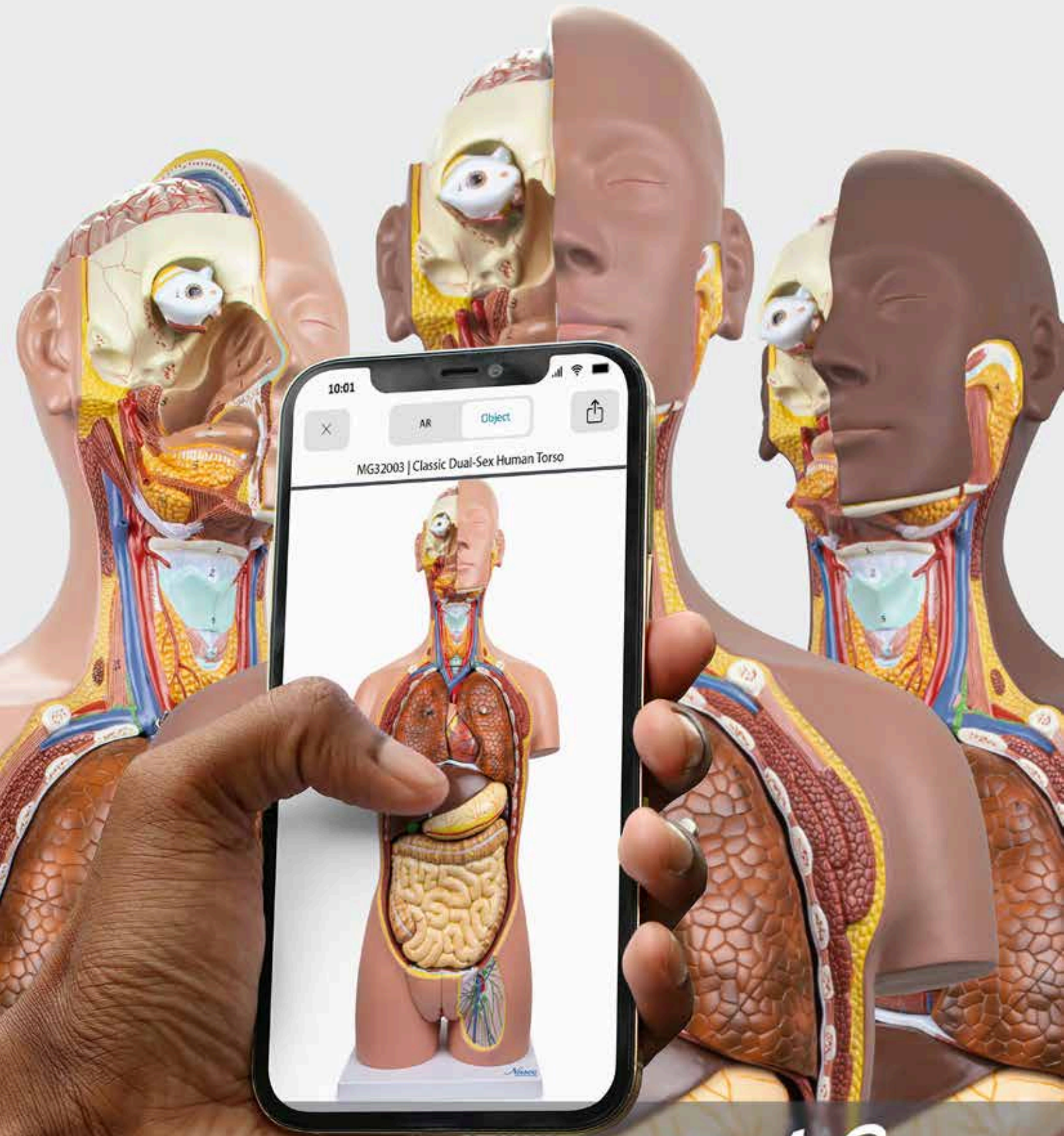


anatomical models



Nasco
HEALTHCARE

4NATOMY TECHNOLOGY

ACTIVE AND IMMERSIVE LEARNING



INTERACTIVE 3D MODELS

Each physical anatomical model is paired with a corresponding 3D digital replica, offering full interactivity for detailed anatomical exploration. Users can rotate, zoom, isolate, and virtually disassemble individual structures to analyze their spatial relationships with precision. Integrated AI-powered explanations support autonomous study by providing contextual information and guided insights into each anatomical region.



AUGMENTED REALITY

Visualize life-size anatomical models directly in your physical environment using augmented reality (AR) through your own mobile device. This technology allows users to examine anatomical structures in 360°, with spatial precision, as if the model were present in the room. The use of smartphones or tablets ensures fast, accessible interaction with detailed anatomical content, enhancing learning without the need for specialized equipment.



EXCLUSIVE SMART TAG INTERACTION

Access clinical auscultation sounds, extended anatomical data, and interactive features through the 4natomy app, fully integrated with our anatomical models. In addition to simulated heart, lung, and bowel sounds triggered directly from corresponding anatomical regions, users can engage with a virtual monitor to create dynamic scenarios involving blood pressure, pulses, cardiac rhythms, as well as interactive ear and eye examinations. These immersive functionalities enhance realism and provide a comprehensive, hands-on learning experience for clinical training.

Download the 4natomy App

Scan the QR code to
explore an interactive
learning experience!





Diversity of Skin Tones

Our anatomical models are available in light, medium, and dark skin tones. This diversity more accurately reflects human variation and provides a more inclusive and realistic learning experience.

For models that offer different skin tone options, you'll find small colored circles next to the product name, indicating the available versions. This visual cue makes it quick and easy to identify and select your preferred tone.

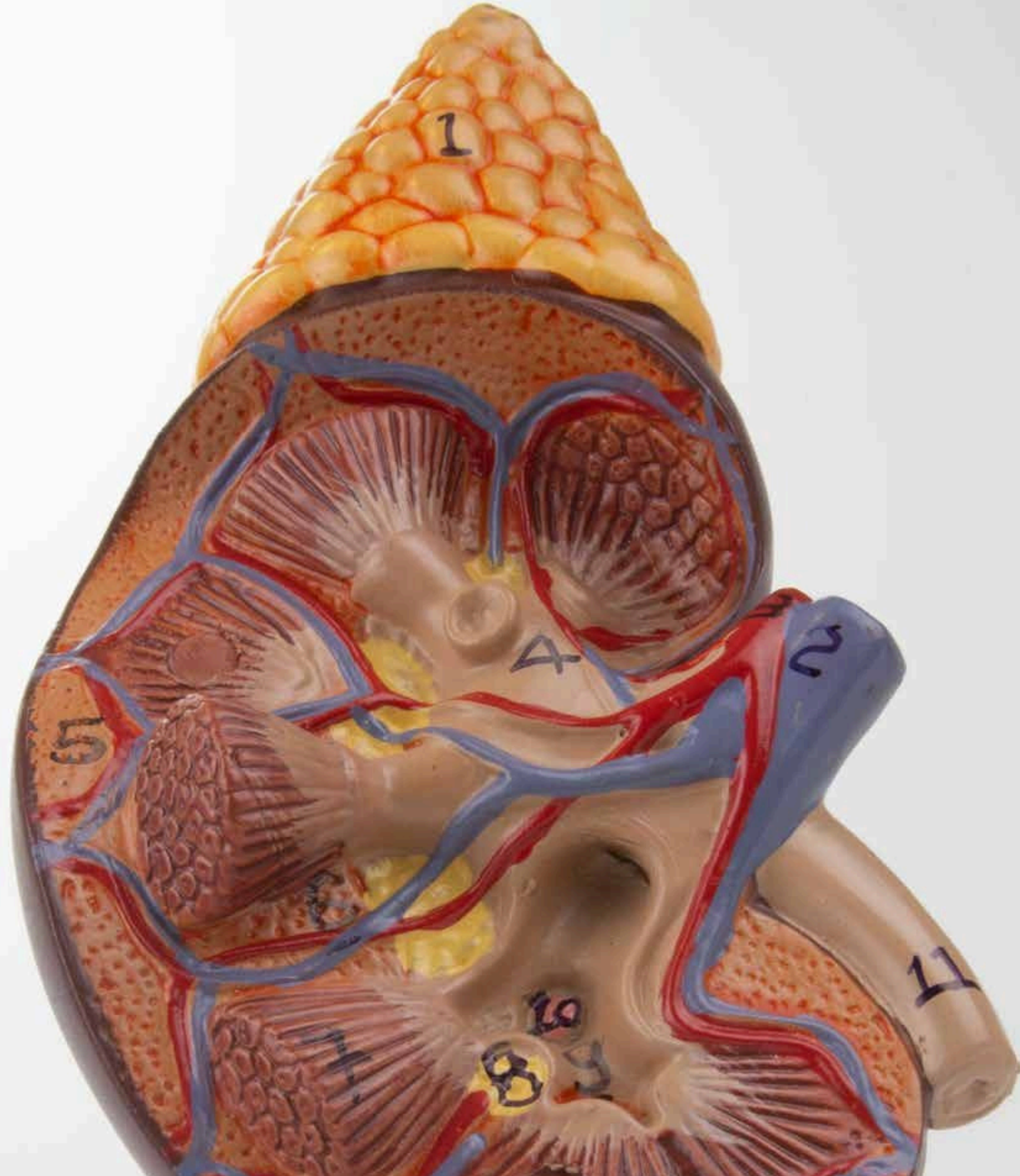
We believe representation matters — and that's why we value diversity in every detail of our products.

-  Light
-  Medium
-  Dark

Model Descriptions

Each model is accompanied by a detailed identification card, printed in English, which lists all anatomical structures featured in the piece. The information is presented clearly and didactically to facilitate effective learning. The card is printed on coated, laminated paper to ensure enhanced durability and longevity in educational settings. Additionally, each card includes a unique QR code that provides direct access to the model's interactive 3D digital version, delivering a comprehensive and immersive learning experience.





- Resin approved in toxicological tests
- High quality natural molding
- Made of stable and unbreakable synthetic material
- Original replicas
- Numbered and hand painted
- Includes information card with related structures

Urinary System

kidneys and bladder

KIDNEY WITH ADRENAL GLAND MODEL, 1.5X ENLARGED, 2 PARTS

Technologies available



Model in 2 parts, 1.5 times life-size, showing the human kidney in the frontal region. Internal structures are clearly revealed, including the cortex, medulla, pyramids, calyces, renal pelvis (partially open), ureter, origins of the renal artery and vein. The front of the model is removable for closer internal examination. Important anatomical structures are numbered and indicated in different colors for easy understanding.

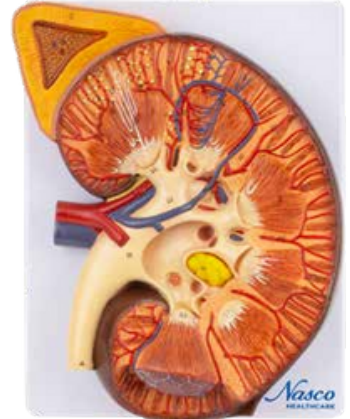
SKU: MG31016
Model size: 7.9 x 5.9 x 2.4 in.
Model weight: 1.1 lbs.

KIDNEY SECTION WITH ADRENAL GLAND MODEL, 3X ENLARGED

Technologies available



Section of the Kidney with Adrenal Gland shows the right kidney enlarged to three times its natural size. Internal structures are clearly revealed, including the cortex, medulla, pyramids, calyces, renal pelvis (partially open), ureter, origins of the renal artery and vein.



SKU: MG31103
Model size: 11 x 8.3 x 7.5 in.
Model weight: 2.2 lbs.

KIDNEY WITH ADRENAL GLAND MODEL, 2 PARTS

Technologies available



Life-size model of the kidney with the adrenal gland sectioned along the frontal plane; can be divided into 2 parts and shows internal structures including the cortex, medulla, pyramids with papillae, partially open renal pelvis, ureter and blood vessels. Important anatomical structures are numbered and indicated in different colors for easy understanding.



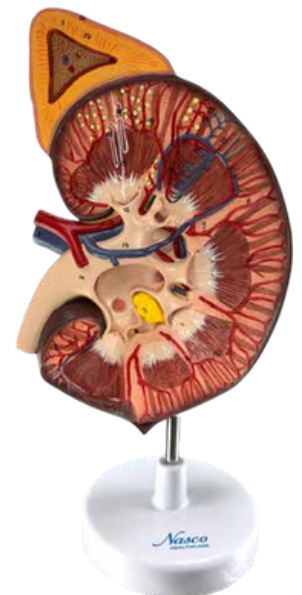
SKU: MG31017
Model size: 4.3 x 4.3 x 5.9 in.
Model weight: 1.1 lbs.

KIDNEY WITH ADRENAL GLAND MODEL, 3X ENLARGED

Technologies available



Model shows a front section of the human kidney enlarged to three times its natural size. The kidney is shown with the renal capsule, additional structures include: The cortex; The marrow; Pyramids with papillae; The renal pelvis partially dissected; The renal calyces; The ureter; The blood vessels; The adrenal gland with cortex and medulla. A schematic representation of the renal corpuscle with the collecting tubule system is included.



SKU: MG31018
Model size: 5.9 x 6.7 x 13 in.
Model weight: 2.2 lbs.

KIDNEYS, NEPHRONS, BLOOD VESSELS, & RENAL CORPUSCLE MODEL, SET OF 3

SKU: MG31021
Model size: 27.6 x 11.8 x 4.3 in.
Model weight: 6.6 lbs.



Set of three models showing the basic structure of the kidney. In the first, we can see a frontal section of the kidney, enlarged 3 times its natural size, illustrating the adrenal gland, the cortex, the medulla, the pyramids with papillae, the renal pelvis and the blood vessels. The second model represents a nephron enlarged to 120 times its natural size, which shows the renal tubules, a system of collection tubes and the loop of Henle. The third illustrates the Malpighian corpuscle with Bowman's capsule, enlarged to 700 times its natural size.



KIDNEYS WITH POSTERIOR ABDOMINAL ORGANS MODEL, 3 PARTS

This model provides a detailed representation of the kidneys, including the adrenal glands, urethra, renal vessels and large vessels near the kidneys in full scale. The anterior half of the right kidney can be removed for clearer visualization of the renal pelvis, renal calyces, renal cortex, and renal medulla. Additionally, the model displays the duodenum (partially open), the gallbladder and bile ducts (open), the pancreas (with the main exits visible), the spleen and nearby vessels, all at full scale. The organs in the upper abdomen are connected to the kidneys in their natural positions and can be removed for detailed study. This anatomical representation is a valuable learning tool for understanding the anatomy and relationships of organs in the abdominal region.



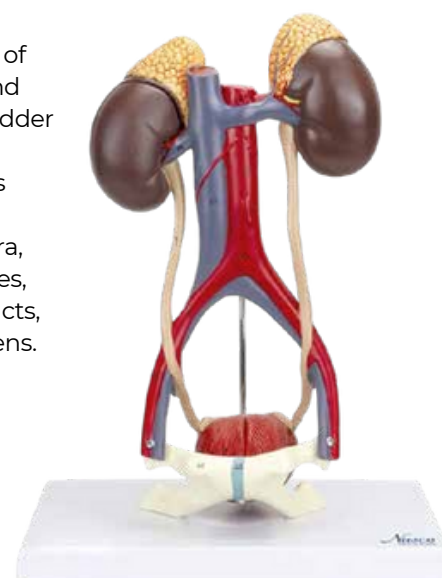
SKU: MG40892
Model size: 7.9 x 5.9 x 12.6 in.
Model weight: 2.2 lbs

KIDNEYS WITH VESSELS & URINARY SYSTEM, 4 PARTS

SKU: MG31020
Model size: 9.8 x 7.1 x 11.8 in.
Model weight: 1.1 lbs.



Life-size model in four parts representing the main components of the urinary system, plus the vena cava and abdominal aorta; The right kidney is dissected to show the L cortex, medulla, pyramids, calyces, pelvis, and origins of the renal artery and renal vein. The bladder can be opened to reveal the mucous membranes, the trigone, the urethra, the seminal vesicles, the ejaculatory ducts, and the vas deferens.



KIDNEY WITH PATHOLOGY MODEL, 2-1/2X ENLARGED

Technologies available



SKU: MG31019
Model size: 3.9 x 2.8 x 5.9 in.
Model weight: 1.1 lbs.

A detailed study of normal and pathological renal anatomy, enlarged 2.5 times and presented on two examinable sides. One side shows the normal anatomy, while the other displays various pathologies, allowing direct comparison and in-depth learning of the alterations. The model is removable from the base and features manual numbering and painting to facilitate the identification of structures.



NEPHRONS WITH PATHOLOGY MODEL, 300X ENLARGED

Technologies available



SKU: MG29879
Model size: 8.1 x 6.1 x 2.6 in.
Model weight: 1.1 lbs.

A model enlarged 300 times the natural size that consists of two sections of renal corpuscle: the first one shows the anatomy of the healthy glomerulus; the second describes the most important glomerular pathologies due to hypertension: arteriosclerosis of the afferent arteriole, changes in vascular caliber, endotheliocyte and the consequent increase in plasma proteins in the urine



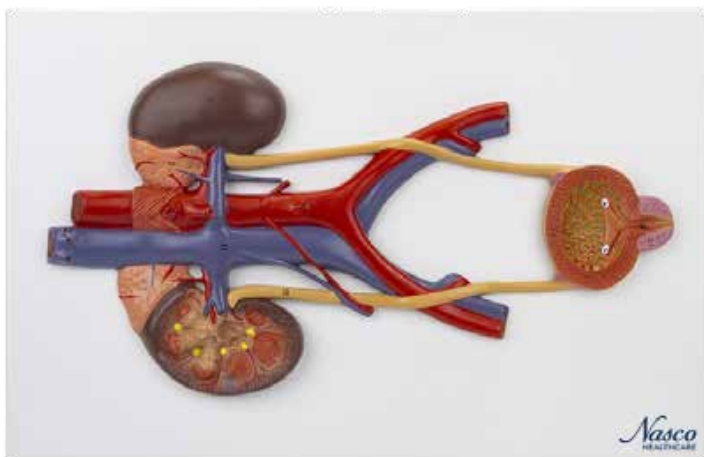
URINARY SYSTEM SECTION MODEL

Technologies available



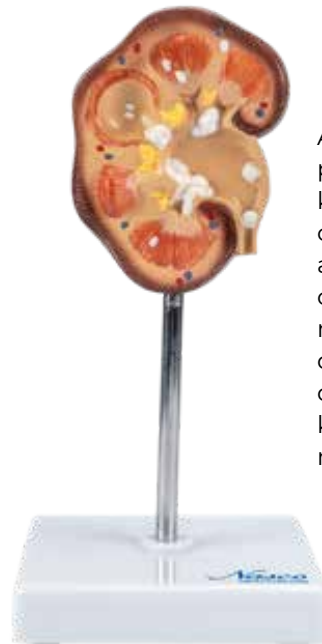
SKU: MG31104
Model size: 15.8 x 10.2 x 6.3 in.
Model weight: 1.1 lbs.

This model features section of the pelvis, plus the urinary bladder, urethra, the inferior vena cava with tributaries, the abdominal aorta with branches, ureter, the kidneys with adrenal glands, a section showing internal renal structures (cortex, medulla, pyramids). with papillae, vessels).



KIDNEY STONE (NEPHROLITES) MODEL

Technologies available



A model that shows the pathology of kidney stones - kidney stones, located in the calyces of the kidney. Stones are composed of salts or organic acids or other materials. Kidney stones of different shapes and in different locations within the kidney are shown in this model.

SKU: MG21415
Model size: 4.3 x 4.3 x 8.3 in.
Model weight: 1.1 lbs.

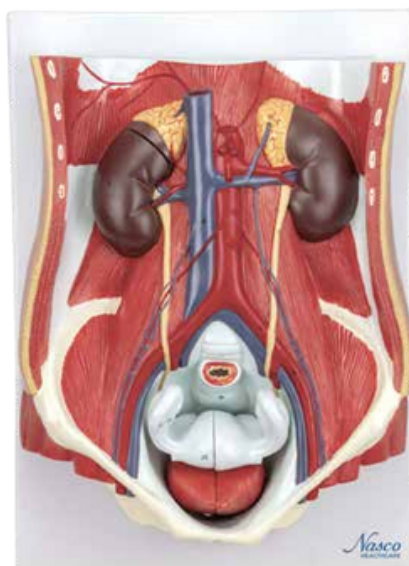
MALE & FEMALE URINARY SYSTEM MODEL, 6 PARTS

Technologies available



SKU: MG31345
Model size: 16.5 x 11.8 x 4.3 in.
Model weight: 6.6 lbs.

This male and female model presents the structures of the retroperitoneal cavity; Large and small pelvis with bones and muscles; Inferior vena cava; Aorta with branches that include the iliac vessels; Upper urinary tract; Straight; Kidney with adrenal gland; The front half of the right kidney is removable. With easy-to-swap male inserts (bladder and prostate, front and back half) and female inserts (bladder, uterus and ovaries, 2 side halves).

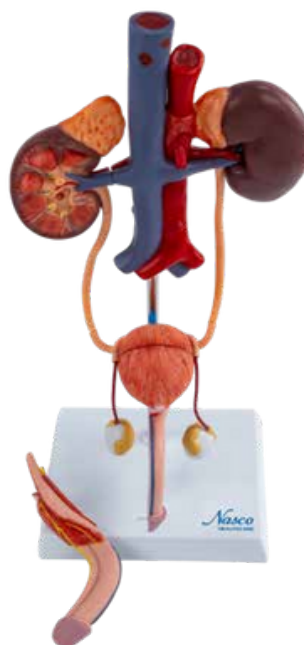


MALE URINARY SYSTEM MODEL

Technologies available



SKU: MG40887
Model size: 9.7 x 7.1 x 14.2 in.
Model weight: 2.2 lbs.



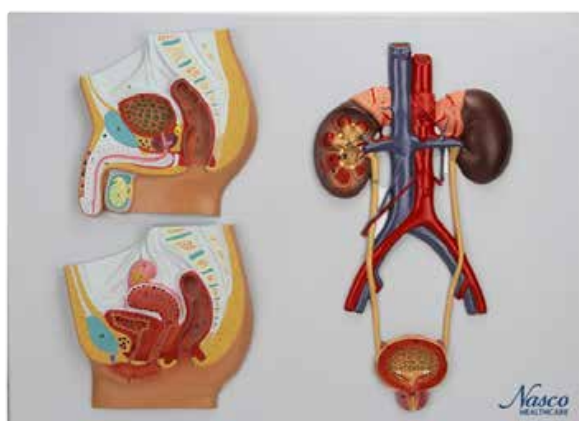
This model highlights the characteristics of the urogenital system, addressing both the external parts and internal structures of the kidney, urinary bladder, penis and testicle. The urogenital system plays a crucial role in the excretory and reproductive system of the human body, contributing to the elimination of metabolic waste and reproduction.

MALE & FEMALE URINARY TRACT CROSS SECTION MODEL

Technologies available



SKU: MG31111
Model size: 20.9 x 15 x 2 in.
Model weight: 2.2 lbs.



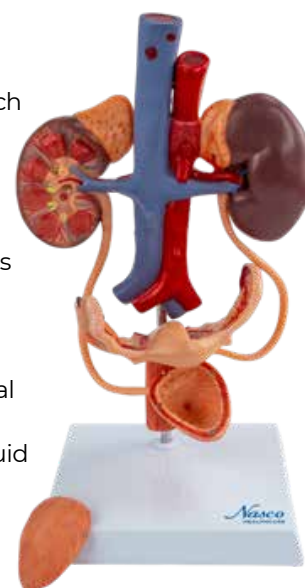
Model that presents sections of both pelvises: male and female, in addition to the bladder, the urethra, inferior vena cava with tributaries, abdominal aorta with branches, ureters, kidneys with adrenal glands, a section that shows the internal renal structures: cortex, medulla, pyramids with papillae, vessels. Important anatomical structures are numbered and indicated in different colors for easy understanding. Made with long-lasting synthetic material.

FEMALE URINARY SYSTEM MODEL

Technologies available



This model presents a comprehensive approach to the characteristics of the female urinary system, covering the internal structures. It highlights crucial organs including the kidneys, urinary bladder and urethra. The urinary system plays an essential role in eliminating waste and regulating fluid balance in a woman's body, contributing to overall health and well-being.



SKU: MG40888
Model size: 9.7 x 7.1 x 14.2 in.
Model weight: 2.2 lbs.