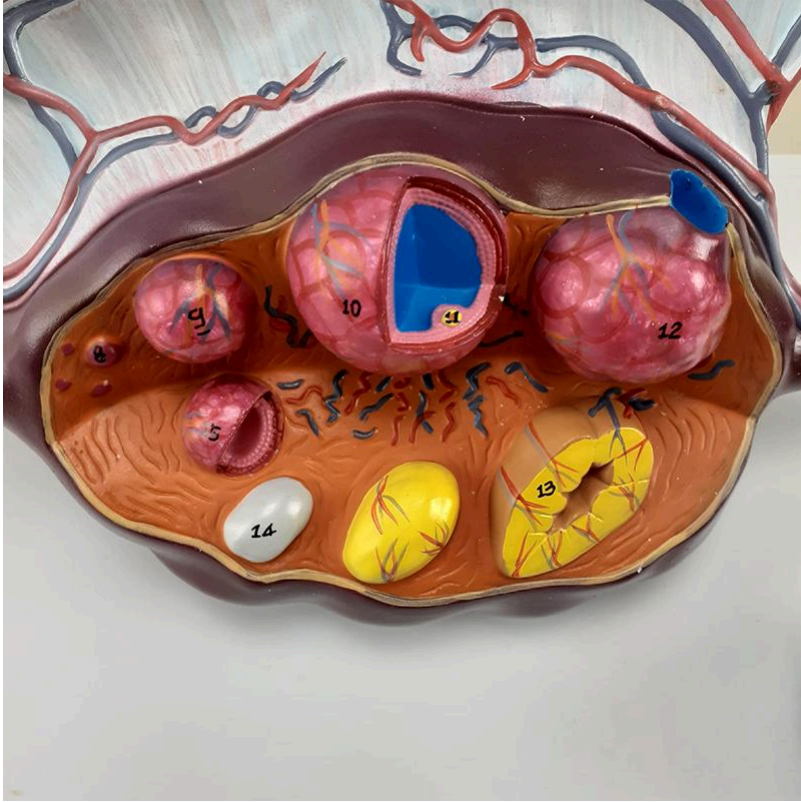


**MG23170 | OVARY STRUCTURE 5 TIMES
ENLARGED, 2 PARTS**



Nasco
HEALTHCARE









Five times enlarged, two-part anatomical model of an ovary, which demonstrates in detail the anatomy of the fallopian tube and ovary, showing follicles in different stages of maturation, from the primary ovarian follicle to the corpus albicans. Important anatomical structures are numbered and painted in didactic colors to facilitate learning.

Applications:

Ideal for the study of the reproductive system in schools and universities; surgical dissection training; classrooms; patient education; procedure demonstration; medical and scientific information.

Technical Differentials:

- * Detailed representation of ovarian and fallopian tube anatomy;
- * Detail of follicles in different stages of maturation;
- * Manual numbering and painting for easy identification;
- * Produced with synthetic resin, approved in toxicological tests;
- * Includes an information card with the related structures;



- * Model mounted on a polymer base for support;
- * Replicas with natural molding;
- * Manufactured from resistant and durable synthetic material.

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

Technical Specifications:

- * Scale: 5 times natural size;
- * Material: Synthetic resin;

Main Structures:

Fallopian tube: Muscular tube extending from the ovary to the uterus, responsible for conducting the ovum to the uterus. It presents different segments: infundibulum, ampulla, isthmus, and intramural.

Mesovarium: Peritoneal fold that attaches the ovary to the broad ligament of the uterus, providing vascular and nervous support.

Fimbria of the fallopian tube: Digitiform projections at the end of the infundibulum of the fallopian tube that capture the ovum released during ovulation.

Ovarian artery: Branch of the abdominal aorta that irrigates the ovary, providing the blood necessary for its functions.

Ovarian vein: Blood vessel that drains blood from the ovary, connecting to the inferior vena cava (right side) or the renal vein (left side).

Suspensory ligament of the ovary: Structure that suspends the ovary, containing blood vessels and nerves.

Ovarian follicle immediately after ovulation: Remnant structure after the release of the ovum, which transforms into the corpus luteum.



Corpus luteum: Temporary endocrine gland formed after ovulation, which secretes progesterone and estrogen.

Oocyte: Female germ cell, also called ovum, which contains the female genetic material.

Graafian follicle: Mature ovarian follicle that ruptures during ovulation, releasing the ovum.

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

List of all visible structures:

- Fallopian tube
- Mesovarium
- Fimbria of the fallopian tube
- Ovarian artery
- Ovarian vein
- Suspensory ligament of the ovary
- Ovarian follicle immediately after ovulation
- Corpus luteum
- Oocyte
- Graafian follicle
- Primordial follicle
- Atretic follicle
- Corpus albicans
- Microvilli
- Yolk
- Nucleus
- Zona pellucida
- Primordial follicle
- Ovarian ligament