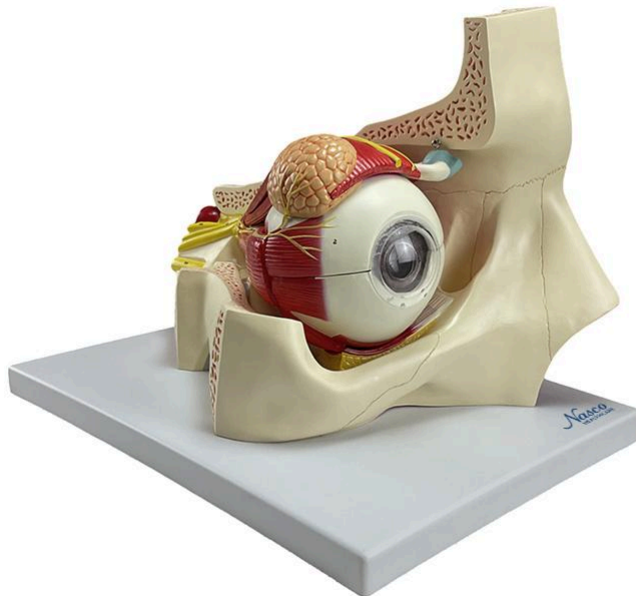
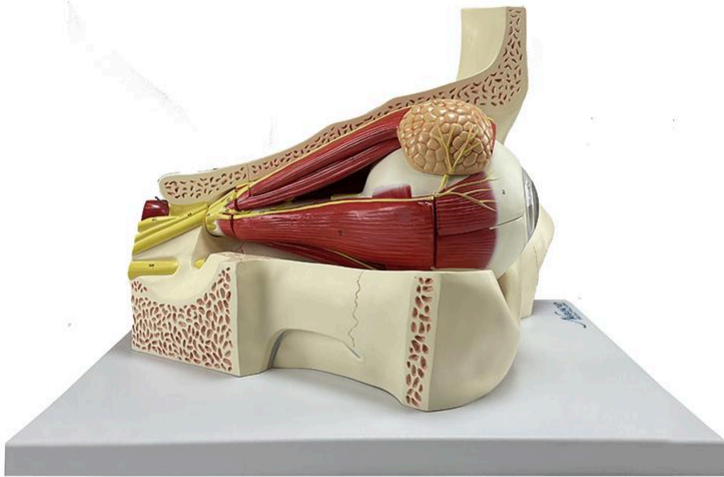


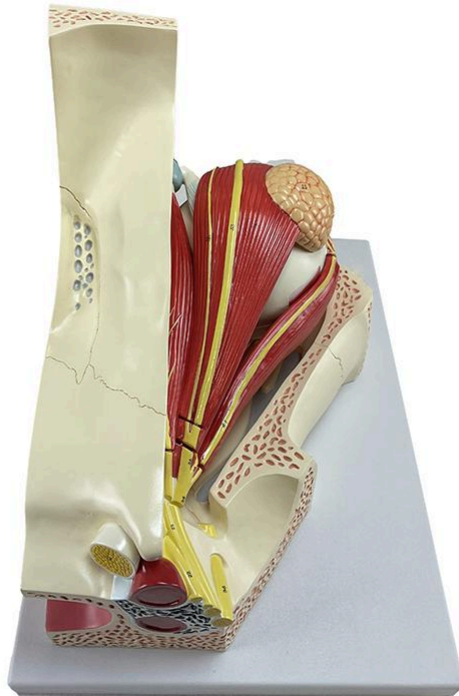


**MG29939 | HUMAN EYE 5 TIMES ENLARGED,
11 PARTS**









This detailed anatomical model, enlarged to 5 times its natural size, presents the eyeball, optic nerves, and muscles in their natural position within the bony orbit. The eyeball is sectioned into two removable halves, fully exposing its internal structures. The model includes various removable parts such as the Cornea, Iris, Lens, Vitreous Body (4 parts), three rectus muscles of the bulb, the levator palpebrae superioris muscle with the lacrimal gland, and the eyeball assembly with extraocular muscles (in two parts), in addition to the base of the bony orbit. It is mounted on a durable polymer base with support.

Applications:

Ideal for in-depth study of the anatomy of the eyeball and adjacent structures, this model is suitable for higher education institutions, medical, ophthalmology, optometry, nursing, and other healthcare courses. It facilitates the understanding of visual complexity and its neural and muscular connections, also being a valuable tool for continuing education and comparative analysis in anatomy, physiology, and pathophysiology.

Technical Differentiators:

The model stands out for its 5x magnification, providing a clear and detailed visualization of the structures. The dissection of the eyeball into removable halves and the complete exposure of the internal structures, along with various removable parts, allow for interactive and in-depth exploration. Produced with durable synthetic material and mounted on a sturdy polymer base with support, it ensures longevity and stability during use.



3D Technology and Augmented Reality:

Our anatomical models offer an innovative visual complement through informative cards that activate 3D models viewable in augmented reality (A.R.). This exclusive interactive platform stimulates learning, allowing for comparative analysis of anatomical structures and offering opportunities for continuing education in anatomy, physiology, and pathophysiology.

Technical Specifications:

- * Scale: 5 times natural size
- * Material: Durable synthetic material
- * Base: Durable polymer with support

Smart Tags:

Designed to provide comprehensive training in the healthcare field, with interactive simulations covering Retina exams. This solution assists in the development of diagnostic skills in different clinical scenarios, allowing professionals and students to explore and enhance their competencies with greater safety and precision.

Retinal exams: Simulate 39 retinal conditions, from normal and diabetic retinopathy (various stages) to rare diseases like retinitis pigmentosa and macular degeneration.

- Normal
- Tessellated Fundus
- Large Optic Disc Cupping
- DR1 (Diabetic Retinopathy - Stage 1)
- DR2 (Diabetic Retinopathy - Stage 2)
- DR3 (Diabetic Retinopathy - Stage 3)
- Branch Retinal Vein Occlusion (BRVO)
- Central Retinal Vein Occlusion (CRVO)
- Retinal Artery Occlusion (RAO)
- Rhegmatogenous Retinal Detachment
- Central Serous Chorioretinopathy (CSCR)
- Vogt-Koyanagi-Harada Disease (VKH)
- Maculopathy
- Epiretinal Membrane (ERM)
- Macular Hole (MH)
- Pathological Myopia
- Possible Glaucoma
- Optic Atrophy
- Severe Hypertensive Retinopathy
- Optic Disc Swelling and Elevation
- Displaced Optic Disc
- Congenital Optic Disc Anomaly
- Retinitis Pigmentosa



- Bietti's Crystalline Dystrophy
- Peripheral Retinal Degeneration and Tear
- Myelinated Nerve Fibers
- Particles in Vitreous
- Fundus Neoplasia
- Massive Hard Exudates
- Yellowish-White Spots (Flecks)
- Cotton Wool Spots
- Vessel Tortuosity
- Choriorretinal Atrophy - Coloboma
- Preretinal Hemorrhage
- Fibrosis
- Laser Marks
- Silicone Oil in Eye
- Blurred Fundus Without PDR (Proliferative Diabetic Retinopathy)
- Blurred Fundus With Suspected PDR (Proliferative Diabetic Retinopathy)

Virtual Patient Monitor: Provides an immersive and realistic training environment for healthcare students. It allows instructors to customize parameters for various vital signs, empowering students to interpret signals, develop critical thinking, and enhance their clinical reasoning skills through realistic scenarios.

Customizable Vital Signs

- Blood Pressure
- SpO2
- Heart Rate

ECG Interpretation: Train on 18 diverse ECG scenarios, including: Atrial Fibrillation, Ventricular Tachycardia and Heart Blocks. The monitor also simulates synchronized pulses with ECG for truly realistic cardiology training.

ECG Patterns

- Sinus Rhythm
- Atrial Extrasystole
- Atrial Flutter
- Atrial Fibrillation
- Paroxysmal Supraventricular Tachycardia (PSVT)
- Ventricular Extrasystole
- Ventricular Tachycardia (VT)
- Ventricular Fibrillation (VF)
- First-Degree Atrioventricular Block (AVB)
- Second-Degree Atrioventricular Block
- Third-Degree Atrioventricular Block (Complete Block)
- Long QT Syndrome



- ST Segment Elevation
- ST Segment Depression
- T Wave Inversion
- Left Ventricular Hypertrophy (LVH)
- Right Ventricular Hypertrophy (RVH)
- Wolff-Parkinson-White Syndrome (WPW)

Breathing Patterns

- Normal
- Dyspnea
- Apnea
- Cheyne-Stokes
- Biot
- Kussmaul

About Anatomical Models:

They are developed with resin replication technology, addressing the scarcity of natural anatomical parts for teaching and research. They present all the essential morphological characteristics with excellent cost-benefit, resistance, manual painting, and numbering for precise identification of structures.

List of all visible structures:

- Sclera
- Lateral rectus muscle
- Lacrimal nerve
- Frontal nerve
- Nasociliary nerve
- Ophthalmic nerve
- Trochlear nerve (IV)
- Oculomotor nerve (III)
- Maxillary nerve
- Superior branch of oculomotor nerve
- Internal carotid artery
- Abducens nerve (VI)
- Optic nerve (II)
- Cavernous sinus
- Lacrimal gland
- Supraorbital nerve
- Levator palpebrae superioris muscle
- Supratrochlear nerve