HUMAN ANATOMY - MODELS

HEAD AND BRAIN

- 40010 HEAD DISSECTION - life size
  Size: 18x25x23 cm - 140 g - 4 parts - 1X

- 40020 BRAIN WITH ARTERIES
  Size: 16x18x16 cm - 1 kg - 9 parts - 1X

- 40021 REGIONAL BRAIN
  Size: 20x17x15 cm - 1.3 kg - 2 parts

SENSE ORGANS: EYE AND EAR

These models show the external, middle and inner ear. The eardrum with malleus, incus and stapes are removable. Also cochlea and labyrinth with vestibular and cochlear nerves and 2 bones sections (40042 only) that define the middle and inner ear are removable.

- 40041-40042

Can be divided into 9 parts showing the temporal and occipital lobes, the frontal and parietal lobes, the cerebellum, the brain stem and basilar artery.

- 40030 Assembled

Cornea, iris, lens and vitreous body can be removed.

- 40030 Disassembled

EYE WITH ORBIT SIZES

<table>
<thead>
<tr>
<th>GIMA code</th>
<th>EAR SIZES</th>
<th>Kg</th>
<th>Parts</th>
<th>Mag</th>
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<tr>
<td>40041</td>
<td>33x23x21 cm</td>
<td>1</td>
<td>3</td>
<td>3X</td>
</tr>
<tr>
<td>40042</td>
<td>33x23x21 cm</td>
<td>2</td>
<td>5</td>
<td>3X</td>
</tr>
</tbody>
</table>

RESPIRATORY SYSTEM: NASAL CAVITY, LARYNX

- 40056 NASAL CAVITY
  Size: 15x20x30 cm - 1 kg - 3 parts - 3X
  Mounted on base with stand.

- 40058 LARYNX
  Size: 18x11x8 cm - 450 g - 5 parts - 2X
  Mounted on a base with stand.

  Longitudinally sectioned to reveal inner details of internal structure including hyoid bone, vessels, ligaments, cartilages, muscles, nerves and thyroid gland.

DIGESTIVE SYSTEMS: LIVER, PANCREAS, STOMACH

This model, 1.5x life size, shows the liver and gallbladder in open section with the complex network of vessels and bile ducts, displayed in different colours to clarity and ease of examination.

- 40080 LIVER SECTION WITH GALLBLADDER
  Size: 28x27x14 cm - 880 g - 1 part - 1.5X
  Mounted on a base with stand.

- 40086 PANCREAS, DUODENUM AND Spleen
  Size: 16x15x23 cm - 350 g - 1 part - 1X
  Mounted on a base with stand.

- 40088 STOMACH
  Size: 16x14.5x5 cm - 235 g - 2 parts - 1.5X
  Mounted on a base with stand.

  Accurate representation of the pancreas, spleen and duodenum. The pancreas is open to show the entire pancreatic duct. The duodenum is partially dissected to expose its internal structure.

  Can be opened to show the internal structure of the stomach, including the mucosa, the pylorus, and a section of the gastric wall. Superficial dissection exposes the longitudinal, circular and oblique muscle layers, with nerves and vascular structures.
**HEART AND CIRCULATORY SYSTEM**

Life size in 2 parts. The anterior heart wall can be removed to show the left and right ventricles and aorta as well as the tricuspid, pulmonary, mitral and aortic valves.

Show internal structures including the cardiac valves and the comparative morphology of the right and left ventricles. The right atrium is also removable.

A general view of the human circulation. It includes the heart (2 parts), lungs, liver, spleen, kidneys and relevant connections with the pulmonary and systemic circulatory pathways.

**URINARY SYSTEM: MALE BLADDER, KIDNEY**

- **40090 MALE URINARY BLADDER WITH PROSTATE**
  - Size: 27x20x15 cm - 1.2 kg - 2 parts - 3X
  - This model, enlarged 3 times, shows the male urinary bladder with the prostate gland surrounding the urethra. The model is dissected medially to expose both internal and external structures of the bladder and prostate, including the ureteric and urethral orifices, ductus deferens, seminal gland, ejaculatory duct.

- **40094 KIDNEY WITH ADRENAL GLAND+RENAL CORPUSCLE**
  - Size: 40x15x8 cm - 1.2 kg - 1 part - 3X
  - This model shows a frontal section of the human kidney enlarged 3 times. The kidney is shown with the renal capsule. Additional structures include: the cortex, medulla, pyramids with papillae, partially dissected renal pelvis, renal calices, ureter, blood vessels, suprarenal gland with cortex and medulla.
  - A schematic representation of the renal corpuscle with the system of collecting tubules is included.

**PELVIS - FEMALE AND MALE**

- **40100 PREGNANCY PELVIS WITH FETUS**
  - Size: 40x26x34 cm - 3.3 kg - 2 parts - 1X
  - This life size model depicts the female human pelvis in median section with a fetus in the 40th week of pregnancy. The fetus is in the normal position prior to birth, showing the anatomical relationship between various structures of the maternal pelvis and the fetus. Fetus is detachable for closer examination.

**SKIN**

- **40061 SKIN MODEL - 30X**
  - Size: 20x15x15.5 cm - 1.2 kg
  - Mounted on base
  - All the skin layers can be easily identified and the main structures such as hair follicles, sensitive corpuscles, sebaceous and sweat glands, are numbered and referred on the accompanying k-card.

- **40060 SKIN MODEL - 70X**
  - Size: 25x18x28 cm - 1.5 kg
  - 2 parts - 70X
  - Mounted on base
  - Anatomical structures are shown in details including the hair follicles, sebaceous glands, sweat glands, erector muscles, Pacinian corpuscles, nerves and blood vessels. The different layers of the skin are clearly defined. A portion of a hair shaft can be removed to show internal details.
Human Torso Models

Some of the detachable parts of human torsos (40005-8-9):

Removable structures, of codes 40005-8-9, include the following:
- eye with optic nerve and extraocular muscles
- half of the brain - trachea - descending thoracic aorta and esophagus - right and left lungs (two parts each) - liver with gallbladder - half of one kidney - two part heart - stomach dissected in two parts (not for 40005) - pancreas, duodenum and spleen - small and large intestines - male and female urogenital systems (4 parts each) - thoracic vertebra (T12) with spinal cord (code 40008 and 40009 only).

Detachable parts of human muscular figure 40019:

This CD-ROM Guide greatly extends the educational value of the anatomical torsos by identifying hundreds of structures that are not included on the printed key.

High-resolution digital images of torso components show the finest anatomical details of all body systems from various angles.

Dissection of the human muscular figure 40019:

- deltoid muscle
- biceps muscle
- triceps muscle
- long palmar muscle with radial flexor muscle of wrist
- brachioradial muscle
- radial extensor muscle of wrist
- palmar aponeurosis

This model illustrates in great detail the muscles, ligaments and bones of the shoulder. Through different muscles section it is possible to observe the deep musculature to the bone.

Dissection of the muscular figure 40019:

- biceps muscle
- brachialis muscle
- brachioradial muscle
- radial extensor muscle of wrist
- palmar aponeurosis

Head Musculature

- 40015 Head/Neck Musculature
  Size: 37x23x46 cm
  3.1 kg - 1 part - life size
  Superficial and deep musculature are well represented as are the pathways of the subclavian and carotid arteries

Muscles: Shoulder, Arm, Leg

- 40016 Shoulder Muscle
  Size: 23x19x11 cm - 435 g
  7 parts

- 40017 Arm Muscle
  Size: 74x20x12 cm - 1.9 kg
  7 parts

- 40018 Leg Muscle
  Size: 110x19x14.5 cm - 5.1 kg
  13 parts

This 13-part model shows, in great detail, the anatomical structure of the leg, complete with superficial and deeper muscles, vascular structures, nerves and ligaments. The following parts are removable:
- sartorius
- long head of biceps
- gastrocnemius
- gastrocnemius
- gracilis
- semitendinosus and semimembranosus
- rectus femoris
- extensor digitaminus longus
- sole of foot
- tensor fasciae latae

This 7-part life size model shows, in great detail, the anatomical structure of the arm, complete with superficial and deeper muscles, vascular structures, nerves and ligaments. The following parts are removable:
- deltoid muscle
- biceps muscle
- triceps muscle
- long palmar muscle with radial flexor muscle of wrist
- brachioradial muscle
- radial extensor muscle of wrist
- palmar aponeurosis

This model illustrates in great detail the muscles, ligaments and bones of the shoulder. Through different muscles section it is possible to observe the deep musculature to the bone.

Some of the detachable parts of human torsos (40005-8-9):
SKELETONS

- **40115 MINI SKELETON**
  Height: 80 cm
  Weight: 1.5 kg
  This 1/2 life size model shows the anatomy of the human skeleton in high detail.
  The skull can be disassembled into 3 parts: skullcap, base of skull and mandible.
  All the main joints are articulated.
  Arms and legs can be removed easily.
  Mounted on a stand for hanging.

- **40120 HUMAN SKELETON**
  Height: 170 cm
  Weight: approx 10 kg
  This model is a replica of a life size human skeleton and shows all the skeleton parts in high detail.
  It’s hand-assembled to provide intricate details and long-lasting durability.
  The main joints are articulated; the upper and lower limbs can be removed easily.
  The following parts are detachable: Calvarium, Skull, Jaw, Arms, Legs.
  Supplied with 5-caster roller stand.

- **40125 MUSCULAR HUMAN SKELETON**
  Same as code 40120 but with the left side of the skeleton showing the point of origin (red) and the point of insertion (blue) of the muscles.

VERTEBRAL COLUMNS

FLEXIBLE VERTEBRAL COLUMNS

- Fully flexible life size vertebral columns consisting of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with symphysis, removable femur heads (only 40130,31,32).
- All models also feature representation of the vertebral arteries, spinal nerve branches, and a prolapsed L3-L4 intervertebral disc.

  - On 40131 the left side of the skeleton shows the points of origin (red) and the point of insertion (blue) of the muscles.
  - On 40131 and 40132 the sacral crest and coccyx are removable to show the sacral section of the spinal cord and associated nerve branches.
  - On 40133 the various regions of the spinal column are colour coded for easy identification.

SKELETAL SYSTEM

- **40140 SHOULDER JOINT**
  Size: 29x12x12 cm
  Weight: 560g
  1 part - 1X
  Mounted on stand.

- **40145 KNEE JOINT**
  Size: 12x12x31 cm
  Weight: 440g
  1 part - 1X
  The life size model represents a functional model of knee joint with lateral ligaments, meniscus and patellar ligament.

- **Advanced osteoporosis model.**
  Shows 3 vertebrae: one healthy vertebra, one vertebra with pathological changes at first stage, one vertebra with pathological changes at advanced stage.
  - 3 lumbar vertebrae with hernia and prolapsed intervertebral disc.
  - Shows 3 lumbar vertebrae with spinal nerves, dura mater and 2 intervertebral discs affected by lateral and medial hernia.
HUMAN ANATOMY - MODELS

HUMAN SKULLS - 3 PARTS

Numbered skull (40161)
Significant structures are numerated
Coloured skull (40162)
All the bones are depicted in different colours, making this model a useful tool to study the correct position and relationship of all the structures.
Muscular skull (40163)
The left side of the skull shows the points of origin (red) and the point of insertion (blue) of the muscles.
MINI SKULL (40165) ½ adult natural size
It depicts all structural details of the skull. It can be disassembled into skullcap and base of skull.
Articulated mandible.

DENTAL MODELS

• 40206 DECIDUOUS TEETH
Size: 9x9x10 cm - weight: 85 g. Mounted on base with stand.
This life size model shows the upper and lower jaw of a 5 year old child. The lower jaw is movable to reproduce the natural chew. The model exposes the arrangement of the young teeth.

• 40205 PERMANENT TEETH
Size: 11x11x12 cm - weight: 170 g. Mounted on base with stand.
This life size model shows the upper and lower jaw of an adult. The lower jaw is movable to reproduce the natural chew. The model exposes the complete set of permanent teeth with roots and nerves fibres.

• 40210 LOWER JAW
Size: 35x18x31 cm - weight: 1130 g
Mounted on base with stand.
This 3X life size model is divisible into 6 parts to show all the characteristics of an adult half mandible. A portion of the jaw can be removed to show the roots of the teeth and the internal structure of the bone. Canine and molar teeth can be removed and dissected longitudinally to observe the tooth roots, pulp and nerves.

• 40213 SET 3 TEETH: INCISOR, CANINE, MOLAR
Size: 33x33x11 cm - weight: 700 g
5-part model includes representations (10X life size) of human incisor, canine and molar teeth. The canine and molar teeth can be divided into 2 parts each, showing internal features (dentine, enamel, cement and pulp).

• 40212 DENTAL PATHOLOGY MODEL
Size: 6x4.5x11 cm - weight: approx. 100 g
This 4X life size model shows the process of dental caries in its progressive stages. The tissues forming the tooth (enamel, dentine and pulp) are shown, along with the way in which they are affected by the caries process.

• 40211 DENTAL CARIES
Size: 12x6x6 cm - weight: approx. 300 g
This model, composed of 7 parts, is 4X life size. It consists of 3 teeth, seated in their sockets, showing the progressive deterioration of tooth structure by dental caries. The first tooth shows the caries in the enamel. In the second tooth, the caries spreads through the dentine. In the third tooth, the pathology affects the pulp, jeopardizing the vitality of the tooth.

• 40200 ORAL HYGIENE
Size: 12x16x22 cm - weight: 1 kg
Mounted on base.
A 3X life size model useful to teach the correct way to brush teeth. A giant toothbrush is included.

• 40214 LOWER MOLAR WITH CARIES
Size: 11x11x19.5 cm - weight: approx. 250 g
Mounted on base with stand.
This life size model shows the process of dental caries in its progressive stages. The tissues forming the tooth (enamel, dentine and pulp) are shown, along with the way in which they are affected by the caries process.
VALUE HUMAN ANATOMY MODELS

HUMAN SKULLS - 3 parts
A detailed reproduction of a life size human skull with all structural details. The mandible is articulated, the skullcap is removable to show internal details. All of the joints, sutures, fissures, foramina and processes are portrayed with utmost accuracy.

- **40155 HUMAN SKULL 1X - 3 parts**
  - Fully flexible life size vertebral columns consisting of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with symphysis, removable femur heads

- **40157 HUMAN SKULL 1X COLOURED - 3 parts**
  - A detailed reproduction of a life size human skull with all structural details. The mandible is articulated, the skullcap is removable to show internal details. All of the joints, sutures, fissures, foramina and processes are portrayed with utmost accuracy.

- **40156 HUMAN SKULL 1X NUMERATED - 3 parts**
  - Giant toothbrush is included

- **40127 FLEXIBLE VERTEBRAL COLUMN with femur heads**

Life size human skeletons show all the skeleton parts in high detail. The main joints are articulated, the upper and lower limbs can be easily removed. The following parts are detachable: Calvarium, Skull, Jaw, Arms, Legs. Supplied with 5-caster roller stand.

- **40119 HUMAN SKELETON - 3 parts**
- **40124 HUMAN MUSCULAR SKELETON**

- **40119 HUMAN SKELETON - 3 parts**
- **40124 HUMAN MUSCULAR SKELETON**

- **40199 ORAL HYGIENE MODEL - 3X**
  - A functional model of knee joint with lateral ligaments, meniscus and patellar ligament.

- **40144 KNEE JOINT**

These models show the external, middle and inner ear. The eardrum with malleus, incus and stapes are removable. Also cochlea and labyrinth with vestibular and cochlear nerves and 2 bones sections (40039 only) that define the middle and inner ear are removable.

- **40028 EYE 6X - 6 parts**
  - Cornea, iris, lens and vitreous body can be removed.

- **40038 EAR 3X - 3 parts**

- **40039 EAR 3X - 5 parts**

- **40070 HEART 3X - 3 parts**
  - Shows internal structures including the cardiac valves and the comparative morphology of the right and left ventricles.

- **40070 HEART 3X - 3 parts**
  - Shows internal structures including the cardiac valves and the comparative morphology of the right and left ventricles.