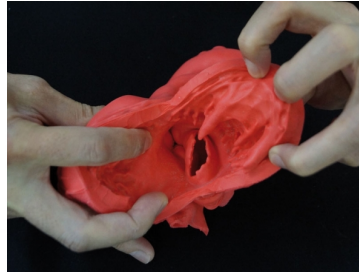




Heart model, flexible, didactical version

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01501

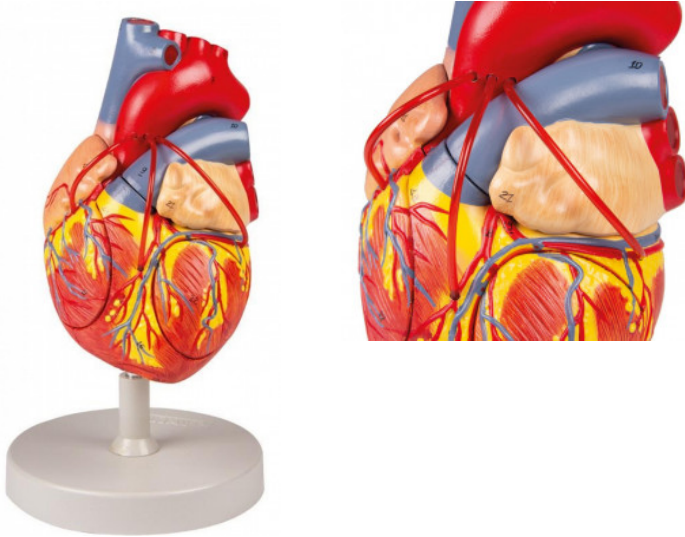


This world-wide unique model is based on CT scan data of a healthy, adult male and is anatomically correct inside and outside. The heart is made of soft and lifelike material. It is pre-cut at different positions to allow easy access to the internal structures. The perfect model for anatomical studies and for explaining the function of the heart.

Human heart, 2 time life size, 2 parts

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01080



Anatomical model of the human heart doubled life size. Made of durable, unbreakable plastic. Possibility to remove it from the base.

The front heart wall is removable and shows ventricles, atriums, aortic, mitral, pulmonary and tricuspid valves. In this model the heart muscles cross section and the coronary vessels are perfectly visible. Heart muscle, fatty tissue, arteries and veins are painted in detail; the structures are shown on the educational card (German/English). The model is made of unbreakable plastic and removable from the stand. **Dimensions:**

- Size: 11 x 11 x 18 cm,
- weight: 1.2 kg

Heart with bypass

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01082



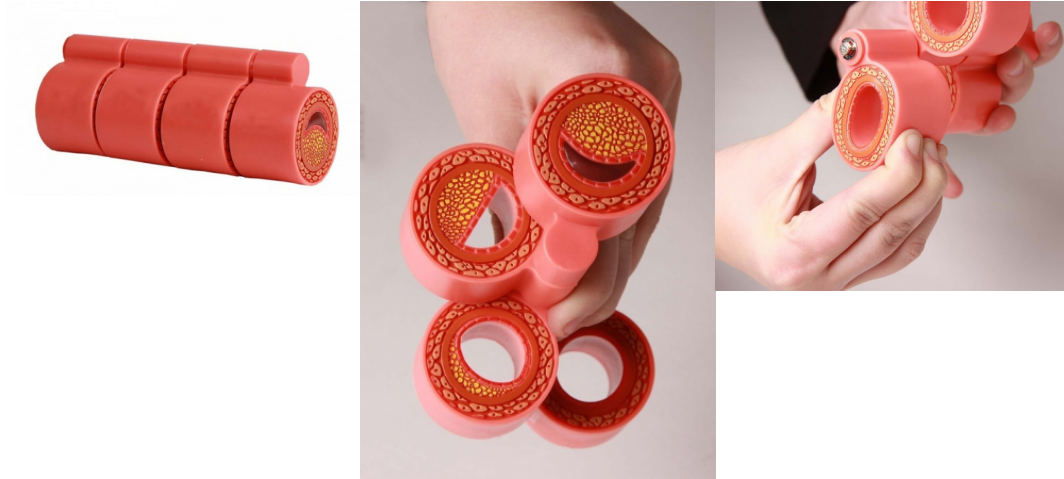
This life-size two-part model provides an extremely detailed illustration of the anatomy of the human heart with three coronary bypasses. The anterior wall can be detached to expose the inner chamber and valves. Mounted on stand.

Size: 8 x 8 x 14 cm, weight: 0.4 kg

Arteriosclerosis Model, 4 sections

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01411



Cross section of an artery showing 4 different stages of arteriosclerosis. The model demonstrates the narrowing of the artery due to buildup of fatty deposits (cholesterol) and formation of plaque. The Artery model is simulated with the softness of the real artery. Starting with the normal artery which is done in soft material, up to the blockage which is done in hard material.

The Artery model contains 4 sections showing:

- healthy (soft)
- stage 1 (medium soft)
- stage 2 (medium hard)
- stage 3 (hard)

The narrowing of arteries limits the flow of oxygen-rich blood to parts of the body and can result in a blockage by a thrombus. The stages are mounted rotatable. The model is movable and cannot be dismantled. Size: 13 x 5 x 4 cm



Atherothrombosis-model with removable thrombus

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01216



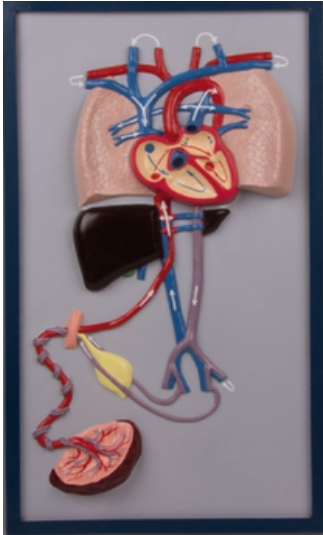
Product information: Atherothrombosis-model with removable thrombus This greatly enlarged model of a human artery shows a cut through the vascular wall with intima, media and adventitia. Clearly visible there is a plaque accumulation in the vascular wall with rupture and a thrombus. The thrombus can be removed to explain the principles of formation very easily.

Size: 15 x 5.5 x 4.5 cm

Foetal Circulation

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01193

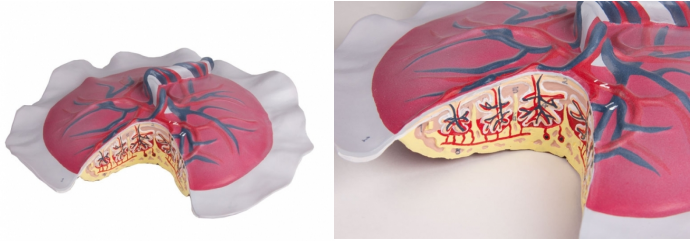


A one piece, half schematic model of the foetal heart, lungs, liver placenta and cord, aorta and vena cava in distinctive colours and marked to show the circulation and direction of flow of the blood.
Mounted on base: 27 x 44 cm

Placental Circulation

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01194



A detailed model, natural-size, showing all the major structures of the placenta in realistic coloring, manufactured in flexible material. The cotyledons on the maternal surface are shown, with the amnion and chorion membranes on the foetal surface. The umbilical vessels can be seen through the membrane of the cord. A section into the placenta exposes the subchorial space, villi with foetal arteries and veins, decidua septa, spiral arterioles and marginal sinus. With key card.

Blood cell model, magnified 2,000 times

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA02587



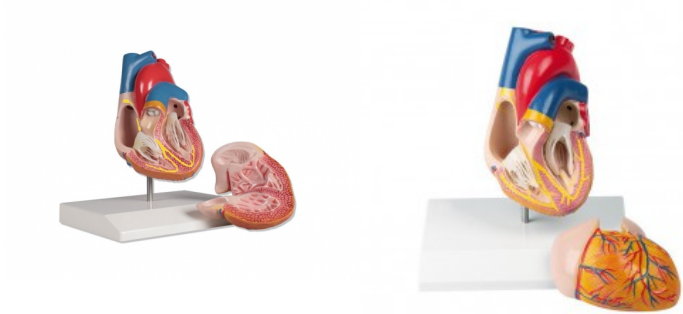
The model shows different types of blood cells magnified 2,000 times: erythrocytes, all types of leukocytes, and platelets.

Dimensions: 53 x 38 x 6.5 cm, **weight:** approx.2.7 kg

Heart model, 2 part, with conducting system

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01081



The front heart wall can be removed to show the inner structures in detail. All important structures are present such as ventricles, atriums, aortic, mitral, pulmonary and tricuspid valves. Heart muscle, fatty tissue, arteries and veins are painted in detail, the conducting system is marked in color. The model is made of unbreakable plastic and removable from the stand.

Size: 8 x 8 x 14 cm , weight: 0.4 kg

Human heart model, 2 parts, life size

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA02389



The front heart wall can be removed to show the inner structures in detail. All important structures are present such as ventricles, atriums, aortic, mitral, pulmonary and tricuspid valves. Heart muscle, fatty tissue, arteries and veins are painted in detail; the structures are shown on the educational card (German/English). The model is made of unbreakable plastic and removable from the stand.

Size: 8 x 8 x 14 cm, weight: 0.4 kg

Heart internal structures

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01276

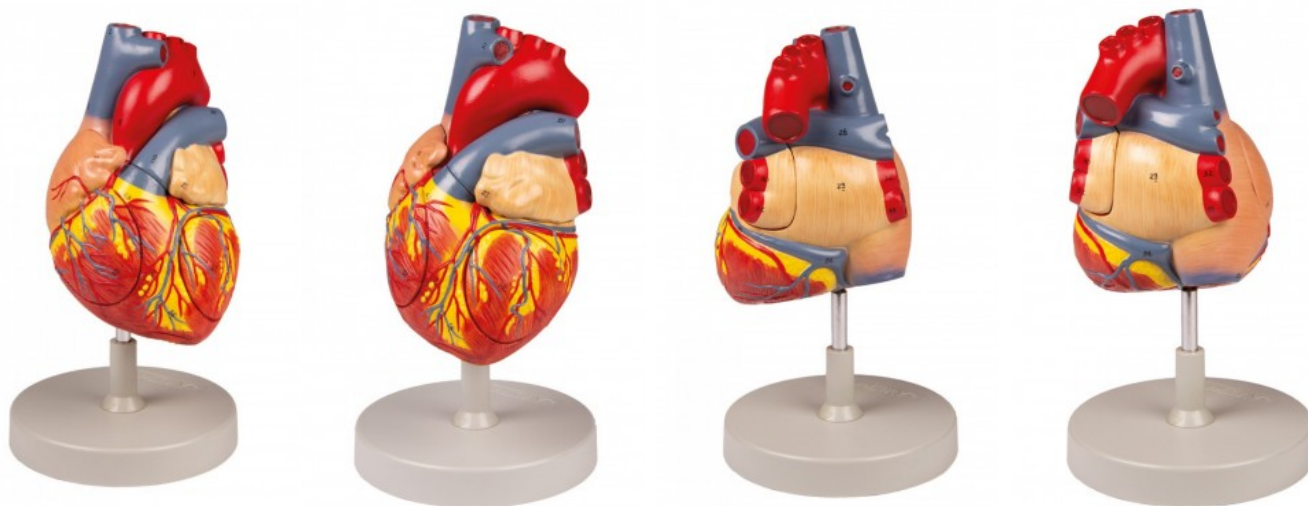


This heart model has been dissected to display the internal structures of the chambers. At the base of the heart the termination of the superior vena cava is preserved entering the right atrium. Part of the inferior vena cava is also preserved on the inferior aspect of the right atrium; however, most of the vessel lumen and much of the anterior wall has been removed to expose the pectinate muscles of the right auricle and the fossa ovalis (which is nearly translucent in the 3D print). The anterior wall of the right ventricle has also been removed to expose the right atrioventricular valve and its three cusps (anterior, posterior, and septal), including the chordae tendineae connecting them to respective papillary muscles projecting from trabeculae carneae (including a septomarginal trabecula entering the anterior papillary muscle from the interventricular septum). The smooth wall of the conus arteriosus is also exposed leading to the pulmonary semilunar valve (left, right, and anterior cusps) at the base of the pulmonary trunk. Preserved and encircling the right atrioventricular valve is the right coronary artery, ultimately passing to the posterior aspect and the origin of the posterior interventricular artery and atrioventricular nodal artery. On the posterior side of heart the terminations of the pulmonary veins are visible entering the opened left atrium. Just anterior to the depression of the fossa ovalis in the interatrial septum the left atrioventricular valve with its two cusps (anterior and posterior) is preserved, along with the associated chordae tendineae and papillary muscles in the ventricle. The walls of the opened left ventricle preserve well-developed trabeculae carneae. At the apex of the ventricle the aortic semilunar valve (with left, right, and posterior cusps preserved) can be seen at the base of the sectioned aorta alongside the origin of both coronary arteries. The left coronary artery in this specimen is very short, giving rise almost immediately from its origin to the left anterior descending artery, the diagonal artery, the ramus intermedius, and the circumflex branch. The latter branch passes between the left atrium and ventricle adjacent to the opened coronary sinus leading to the right atrium. The left anterior descending branch penetrates the myocardium in this individual and travels through the tissue, only emerging superficially to become visible again near the apex.

Heart model, 2x enlarged, 4 parts

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA02584



This model shows in great detail all the essential structures of the human heart. The right half is removable and shows the inner chambers and valves of the heart. The left ventricle and the ear of the heart strengthen and expose the atrium, mitral valve and muscles.

Size: 15 x 13 x 24 cm, **weight:** 0.7 kg

Mediastinum Model

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA02044



This life size model is composed of 5 parts, including a 2-part heart that provides an interior view of the chambers and valves. The sternum and thymus are removable to reveal the pericardial sac and the major pulmonary and systematic vessels. The trachea and esophagus are shown entering the mediastinum through the superior thoracic aperture; the inferior thoracic aperture is delimited from the diaphragm musculature. Mounted on base.

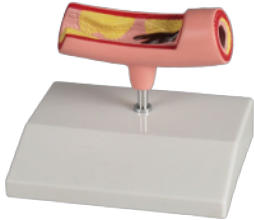
Size: 40 x 26 x 30 cm

Weight: approx. 2.3 kg

Artery model

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA02191



Longitudinal section of an artery with constriction caused by plaque adsorption and a blockage caused by a thrombus.

specifications:

- dimensions: 10cm x 4cm x 4cm
- weight: approx. 0.1 kg
- advanced painting
- delivered based on

Artery and vein model, 20 times life-size

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA02585



It is a very important tool for understanding the difference between arterial and venous histology. This one-piece model shows the two veins and the artery in great detail. One vein is cut lengthwise and shows the venous valves in the open and closed state. The artery and the second vein show different layers in cross section, such as Tunica media, Membrana elastica and Tunica adventitia.

Size: 20 x 30 x 27 cm, **weight:** 0.8 kg

Artery with 4 artery sections

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01215



Product information: Artery with 4 artery sections Longitudinal section of an artery with constriction caused by plaque adsorption. Four cross sections on the base show step-by-step build-up of plaque at the artery wall.
Size: 14 x 18 x 13 cm, weight: 0.4 kg

Arteriosclerosis-Model, 1-part

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01196

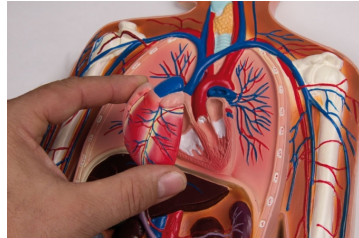


Enlarged Artery fork with cut-away to show gradual build up of cholesterol deposits.
Size: 16.5 x 4 x 10 cm

Circulatory System, relief model, 1/2 life size

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA00927



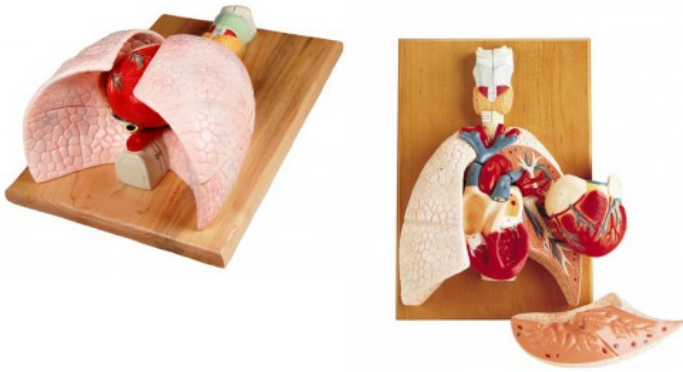
Model of human circulatory system on base basis. Ideal for demonstrating and understanding the mechanism of blood circulation in the human body. The model clearly shows lung circulation, the heart with ventricles, arteries and valves, large vessels and blood supply to the limbs. It also contains internal organs such as the liver, kidneys, spleen and part of the intestine. The anterior wall of the heart can be removed. To locate the vessels, the model shows the skeleton, enabling understanding of the three-dimensional paths of the vessels. Also suitable for hanging.

Size: 90 x 35 x 5 cm

Cardiopulmonary System

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA00663



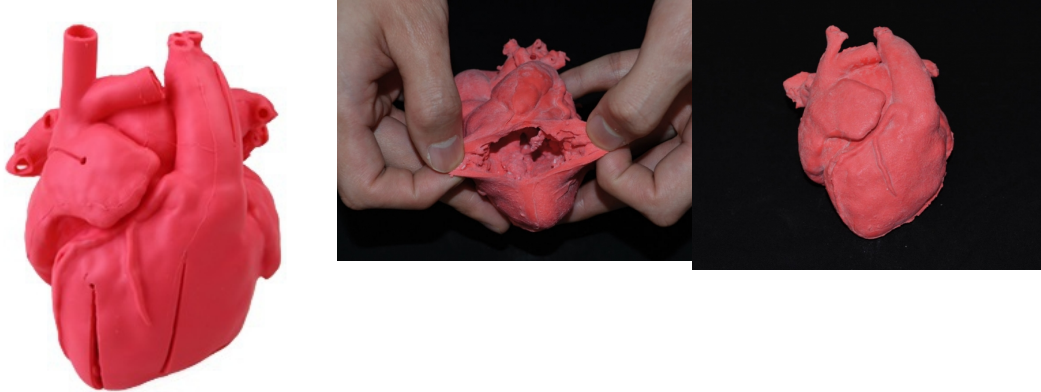
This life-size anatomical model shows the lungs, heart, trachea, esophagus, larynx with vocal cords in their natural position. The right half of the larynx can be extended, as well as the heart and half of the left lung, thanks to which the bifurcation of the trachea, bronchial tree, pulmonary arteries and veins can be observed. The heart divides into two halves to show the 4 chambers and valves, and thus provides an understanding of the directional blood flow through the blood vessels and the heart. The pulmonary blood flow can be easily traced thanks to the illustrated main blood vessels. Additional information: The model is delivered with an educational card containing 58 numbered and translated items.

Dimensions: 43x28x15 cm

Pediatric heart with corrected transposition of great arteries and ventricular septal defect (VSD) G570EZ

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01497



The pediatric congenital heart disease model is based on actual CT data, and is a precisely produced, urethane based, soft model. This product was created with the intention of being a support tool for doctors performing treatments which require advanced skills and considerable experience.

The parts listed below are reproduced along with disease specific areas:

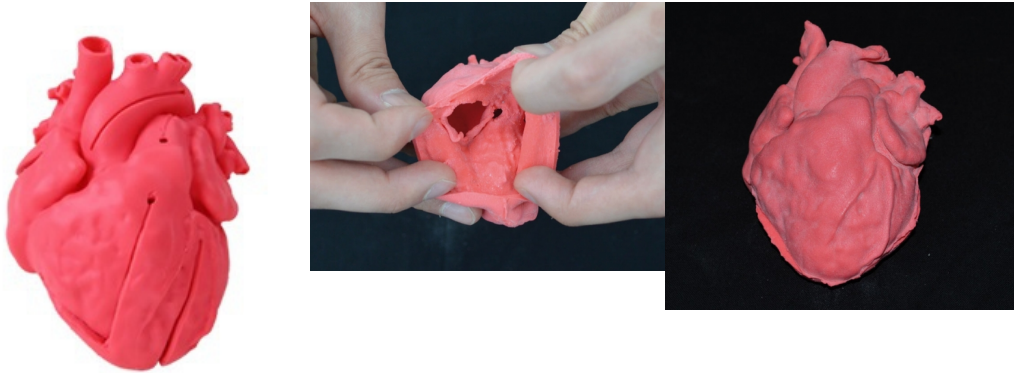
- right ventricle,
- left ventricle,
- right atrium,
- left atrium,
- coronary arteries,
- coronary veins,
- aorta,
- superior vena cava,
- inferior vena cava,
- pulmonary vein,
- mitral valve,
- tricuspid valve,
- aortic valve,
- pulmonary valve,
- papillary muscle
- coronary sinus.

Size: 8.1 x 8.9 x 8.6 cm

Pediatric heart with ventricular septal defect (VSD) G550EZ

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA00929



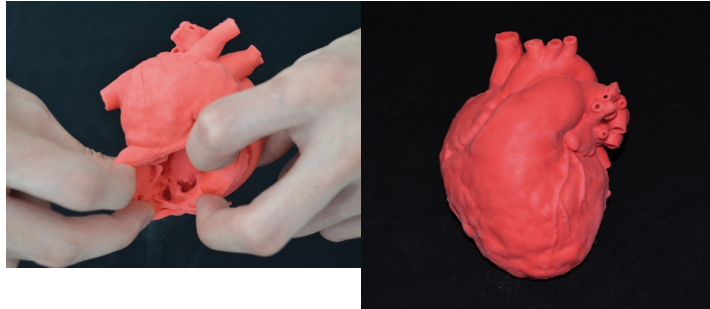
The pediatric congenital heart disease model is based on actual CT data, and is a precisely produced, urethane based, soft model. This product was created with the intention of being a support tool for doctors performing treatments which require advanced skills and considerable experience. The parts listed below are reproduced along with disease specific areas: right ventricle, left ventricle, right atrium, left atrium, coronary arteries, coronary veins, aorta, superior vena cava, inferior vena cava, pulmonary vein, mitral valve, tricuspid valve, aortic valve, pulmonary valve, papillary muscle and coronary sinus.

Size: 7.4 x 7.1 x 6.6 cm

Pediatric heart with atrial septal defect (ASD) G560EZ

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01084



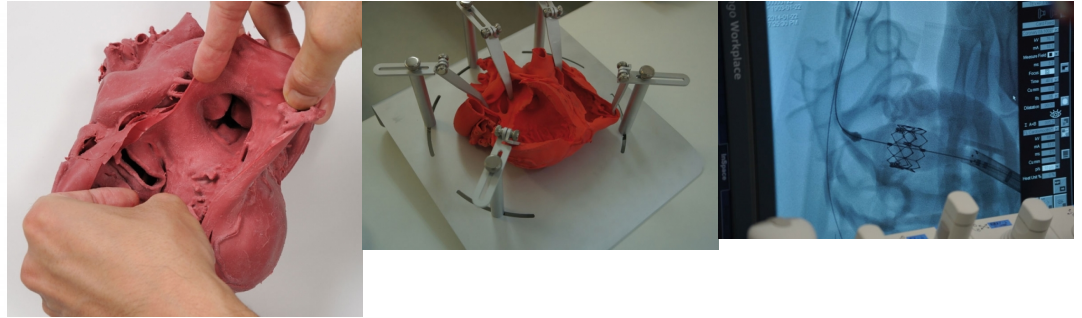
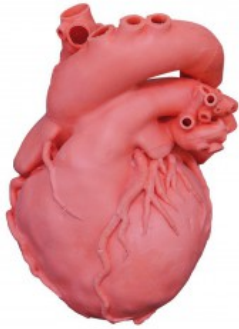
The pediatric congenital heart disease model is based on actual CT data, and is a precisely produced, urethane based, soft model. This product was created with the intention of being a support tool for doctors performing treatments which require advanced skills and considerable experience. The parts listed below are reproduced along with disease specific areas: right ventricle, left ventricle, right atrium, left atrium, coronary arteries, coronary veins, aorta, superior vena cava, inferior vena cava, pulmonary vein, mitral valve, tricuspid valve, aortic valve, pulmonary valve, papillary muscle and coronary sinus.

Size: 7.5 x 8 x 7.4 cm

Heart model, professional

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01499



2-times life size heart model is based on CT scan data of a healthy, adult male and is anatomically correct inside and out. Reproduced sections: (external & luminal surfaces) right atrium, left atrium / right ventricle, left ventricle / aorta /superior & inferior vena cava / pulmonary vein / coronary artery, veins (luminal) mitral valve, tricuspid valve, aortic valve, pulmonary valve / papillary muscle / coronary sinus The model is pliable which allows seeing all internal structures. For easy examination a scalpel can be used on the model for opening requested areas.

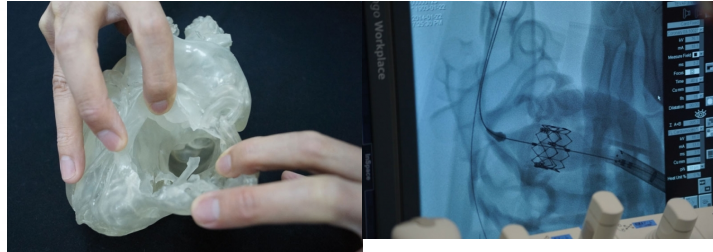
Uses of the model:

- A simulator for practice in coronary artery bypass grafting or other surgery
- A catheterization simulator (coronary arteries not hollow)
- Educational model for learning surgery skills.

Heart model, professional, clear

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA01498



This 2-times life size heart model is based on CT scan data of a healthy, adult male and is anatomically correct inside and out. Reproduced sections: (external & luminal surfaces) right atrium, left atrium / right ventricle, left ventricle / aorta /superior & inferior vena cava / pulmonary vein / coronary artery, veins (luminal) mitral valve, tricuspid valve, aortic valve, pulmonary valve / papillary muscle / coronary sinus The model is pliable which allows seeing all internal structures.

For easy examination a scalpel can be used on the model for opening requested areas.

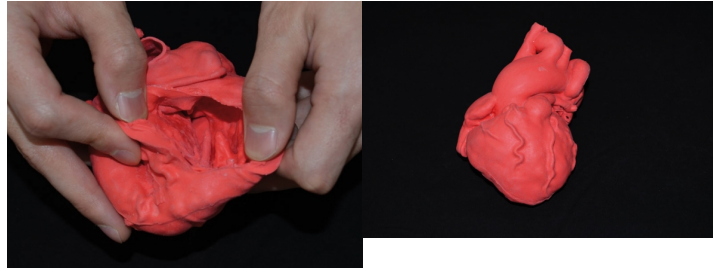
Uses of the model:

- A simulator for practice in coronary artery bypass grafting or other surgery
- A catheterization simulator (Coronary arteries not hollow)
- Educational model for learning surgery skills
- Stent placement

Pediatric heart with tetralogy of Fallot

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA00926



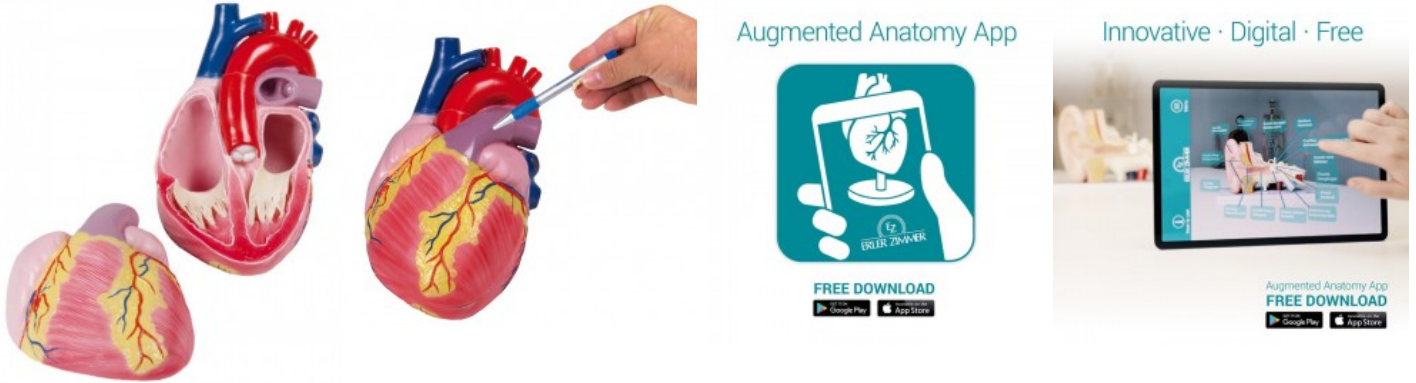
The pediatric congenital heart disease model is based on actual CT data, and is a precisely produced, urethane based, soft model. This product was created with the intention of being a support tool for doctors performing treatments which require advanced skills and considerable experience. The parts listed below are reproduced along with disease specific areas: right ventricle, left ventricle, right atrium, left atrium, coronary arteries, coronary veins, aorta, superior vena cava, inferior vena cava, pulmonary vein, mitral valve, tricuspid valve, aortic valve, pulmonary valve, papillary muscle and coronary sinus.

Size: 11.1 x 12.3 x 11 cm

Three times enlarged heart model, 2 parts - Augmented Anatomy

Price inquiry: +48 605999769, kontakt@openmedis.pl

Product code: MA02648



This life-size model is perfect for use in group activities. It can be disassembled in the frontal plane to see the internal structures.

Size: 28 x 19 x 26 cm, weight: approx. 2 kg **Extended anatomy app** Learning is now even easier and more efficient with the new Augmented Anatomy app in conjunction with this high-quality anatomical model! This application automatically recognizes our anatomical models and displays the nomenclature in augmented reality. As an OpenMedis client, you can use it completely free of charge and for an unlimited period of time. - High-quality augmented reality learning app - Free and without registration - Nomenclature available anytime, anywhere - Additional online links in the educational encyclopedia Our extended anatomy app works on all popular smartphones and tablets.