SOMSO
MODELLE
SINCE 1876

Anatomy of the Human Skull

Step by Step Separation of Skull Models according to Prof. Dr. Dr. J.W. Rohen

MedicalSimulator
INNOVACIÓN EN EDUCACIÓN

Nature is our Model Somso Modelle

Complex cranial Anatomy - up to 18 parts step by step separati

With the help of this series of skull models "The Anatomy of the Human Skull" the Skull Anatomy becomes transparent.

This series of skull models comprises 5 different aspects:

1.) The skull model can be dismantled into 14 parts.

2.) The skull model can be dismantled into 14 or 18 individual bones which are differently coloured.

3.) The dismantable skull with the masticatory muscles.

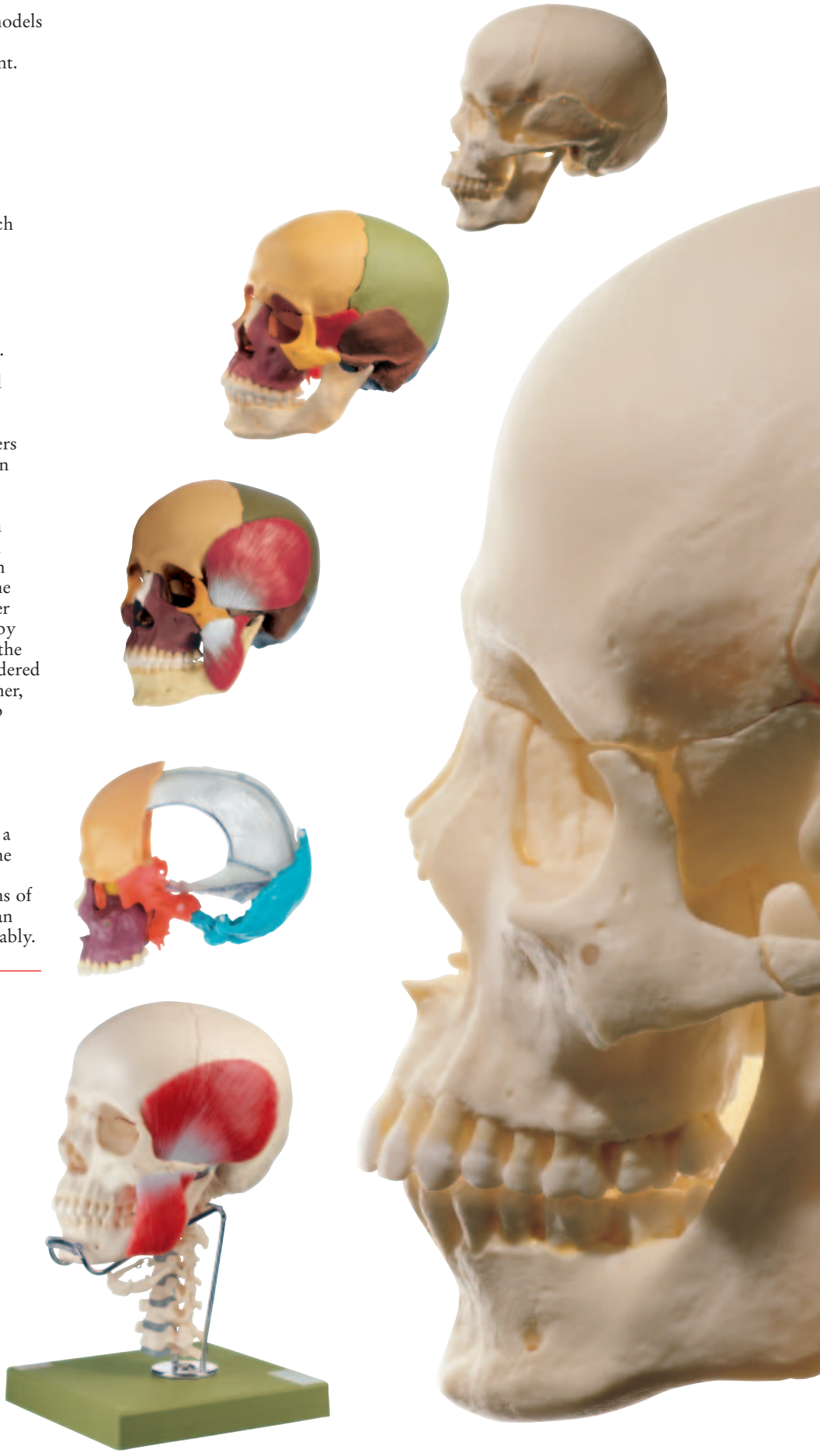
4.) The dismantable skull with the falx cerebri and tentorium cerebelli.

5.) The dismantable skull with cervical vertebral column and hyoid bone.

Each one of these model concepts offers its own didactic approach and has been developed for various specialist fields.

The synthetic cranium in question can be dismantled into up to 18 individual bones, which have been moulded from the bones of natural human skull. The individual bones can be joined together easily at the natural joining positions by way of plug connections. In this way the complicated mosaic of the skull is rendered comprehensible in an impressive manner, i.e. by mounting or dismantling it step by step.

The model is suitable for students of human or dental medicine, biologists, physicians and teachers. With the aid of this model, they can rapidly obtain a spatial (three-dimensional) image of the structure of the cranium, whereby the possibility of mounting certain sections of the cranium individually if required can also facilitate comprehension considerably.



ON

Educational competence

Educational competence Since over 125 years, SOMSO has produced original models aimed at the highest educational standards. Accurate in every detail and dimension makes a lifelike training and teaching possible.

QS 8/2 · 14-Piece Model of the Skull

Natural size, made from SOMSO-Plast after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. The model is constructed from 14 individual parts, which can easily be dismantled and put back together by way of interconnecting plugs. The sphenoid bone, occipital bone and the two temporal bones form the basis of the skull; the two parietal bones and the frontal bone attach to the anterior of the sphenoid bone. The facial part of the skull is then completed through attachment of the right and left maxilla, each of which also includes the lacrimal, nasal and palatine bones. Facial and cranial bones are connected to each other on each side by the zygomatic bone, which in the model is a separate element that can be individually removed. The mandible is fixed into sockets on either side of the skull through a hinge-joint. Weight: 700 g

Nature is our Model Somso Modelle

The dismantable Skull after P
now also available with Musc

ROFESSOR DR. DR. J.W. ROHEN
LES OF MASTICATION AND FALX CEREBRI

QS 8/6 · FALX CEREBRI

The 14 or 18 piece skull model can also be supplied with a transparent plastic falx cereberi with tentorium cerebelli. Marked on the falx cerebri is the position of the sinuses of the dura mater (Sinus durae matris) as well as of the Pacchioni granulations on the sinus sagittalis superior. The pathways of the venous blood and the cerebrospinal fluid can be clearly regognized.

Frontally the falx cerebri is fastened to the crista galli and superior at the parietal bone; the tentorium can be supported laterally by the pyramidal crest and anterior in the region of the sella turcica. However, it can be completely removed easily so that not only the structure of the dura duplications but also the position of the sinus (blue) of the dura mater can be clearly seen. Weight: 66 g

The dismantable Skull after Professor Dr. in 18 Pieces and muscles of mastication, Fa

QS 8/218 · 18-Pieces Model of the Skull

Natural size, made from SOMSO-Plast, after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. The model comprises 18 elements corresponding to the natural bones. Apart from the cranium (frontal, parietal, occipital and sphenoid bones), the bones of the viscerocranium (ethmoid bone, vomer, palatine bone, zygomatic bone, maxilla and mandible) and the inferior nasal concha can be removed and reassembled to form the complete skull. Weight: 640 g

QS 8/2C+M · 14-Pieces Model of the Skull with muscles of mastication and cervical vertebral column and hyoid bone

Natural size, made from SOMSO-Plast, after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. As QS 8/2, but with the 4 muscles of mastication and cervical vertebral column and hyoid bone. Weight: 1.720 kg

Moreover the skull (18-pieces) with muscles of mastication, cervical vertebral column and hyoid bone is available under article number QS 8/218C+M and the coloured versions are available with article number QS 8/3C+M (14-pieces skull) as well as QS 8/318C+M (18-pieces skull).

QS 8/318 · 18-Pieces Model of the Skull

Natural size, made from SOMSO-Plast, after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. The model comprises 18 elements corresponding to the natural bones. Weight: 640 g

Dr. J.W. Rohen now also available lx Cerebri and cervical vertebral column

QS 8/3M · 14-Pieces Model of the Skull with muscles of mastication

Natural size, made from SOMSO-Plast, after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. Version as QS 8/3 but with the 4 masticatory muscles. Weight: 715 g

The 18-pieces model of the skull with muscles of mastication has the article number QS 8/318M.

Lower Jaw with four muscles of mastication

QS 8/218M · 18-Pieces Model of the Skull with muscles of mastication

Natural size, made from SOMSO-Plast, after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. Version as QS 8/218 but with the 4 masticatory muscles. Weight: 715 g

The 14-pieces model of the skull with muscles of mastication has the article number QS 8/2M.

QS 8/3C · 14-Pieces Model of the Skull with Cervical Vertebral Column and Hyoid Bone

Natural size, made from SOMSO-Plast, after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. Version as QS 8/3 but with cervical vertebral column and hyoid bone. Weight 1.220 kg

QS 8/1 · Metal Stand with Base

Suitable for the SOMSO skull models. Height: 19 cm., width: 18 cm., depth: 18 cm., weight: 300 g; Illustration of the stand with the skull model see QS 8/3C

Complex cranial Anatomy in 14 part step by step separation

QS 8/3 · 14-Piece Model of the Human Skull

Natural size, made from SOMSO-Plast after Prof. Dr. Dr. J. W. Rohen, Department of Anatomy, University of Erlangen. The same model as QS 8/2, but in colour. Here, the individual bones are identified by different colours. This version of the model eases learning of the shape and size of the individual bones and thereby assists in the understanding of the mosaic-like structure of the human skull. Weight: 700 g

QS 8/4 · Transparent Case

Hinged and made out of transparent synthetic material. Suitable for SOMSO skulls. Weight: 900 g

Please ask for our special catalogue A 79/4 Artificial Bone Models, Extremities and Joints. In this 40-page catalogue you will find our complete range of artificial bone models and functional models.

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