



### Knee joint with ligaments

Natural casting of a human knee joint. With stumps of femur and lower leg. The insertion tendons of the straight muscle of the thigh, kneecap with patellar tendons, lateral ligaments, meniscuses and cruciate ligaments are manufactured from elastic synthetic material. The principal movements of the knee joint, such as flexion and extension and outer and inner rotation can be demonstrated.

**With removable stand Ref.no. 4552**

**Without stand Ref.no. 4552/1**



### Elbow joint with ligaments

Natural casting of a human elbow joint. Upper arm stump, radius and ulna. The ligamentary apparatus and the interosseous membrane are manufactured from elastic material. The model allows demonstration of the movements of the elbow joint such as flexion and extension, in addition to the rolling movement of the bones of the lower arm during pronation and supination.

**With removable stand Ref.no. 4556**

**Without stand Ref.no. 4557**



### Shoulder joint with ligaments

Natural casting of a human shoulder joint. Shoulder girdle (shoulder blade and clavicle) with upper arm stump. The principal ligaments, such as the coracoacromial ligament, coracohumeral ligament and transverse ligament of the scapula are represented in addition to sections of the joint capsule.

The main movements of the shoulder joint, such as anteversion, retroversion, outer and inner rotation and abduction can be demonstrated.

**With removable stand Ref.no. 4550**

**Without stand Ref.no. 4551**



### Hip joint with ligaments

Natural casting of a human hip joint. The femoral stump is retained in the hip joint by the ligamentary apparatus. The ligamentary apparatus with the iliofemoral ligament, ischiofemoral ligament and pubofemoral ligament allow demonstration of the movements of the hip joint. Flexion and retroversion (extension), abduction and adduction and to a certain extent also outer and inner rotation.

**With removable stand Ref.no. 4553**

**Without stand Ref.no. 4555**

**With stand and sacrum Ref.no. 4554**

*(not pictured)*



### Miniature Joints with cross section

These joint models in about 1/2 life size show the structures of the joint as well as the major ligaments. The inner structures can be explained with the cross section mounted on the base of the model.

**Knee joint Size: 12 x 10 x 20 cm Weight: 0.15 kg Ref.no. 4522**

**Shoulder joint Size: 12 x 10 x 15 cm Weight: 0.17 kg Ref.no. 4520**

**Hip joint Size: 12 x 10 x 18 cm Weight: 0.18 kg Ref.no. 4523**



4662

**Knee Joint, life size, with muscles**

Human knee joint in life size with all important muscles and ligaments (collateral ligaments, meniscus, crucial ligaments, patellar tendon). The joint is not movable. With educational card German/English. On Stand.

**Size: 8 x 8 x 24 cm**

**Weight: 820 g**

**Ref.no. 4662**



4661

**Shoulder Joint, life size, with muscles**

Human shoulder joint in life size with rotator cuff (Supraspinatus, infraspinatus, teres minor, teres major and subscapularis muscle) as well as the biceps brachii tendon. The joint has a limited movability. With educational card German/English. On Stand.

**Size: 17 x 15 x 12 cm**

**Weight: 540 g**

**Ref.no. 4661**



4663

**Knee Joint, life size, with muscles**

Human hip joint in life size with all important muscles and ligaments. The joint has a limited movability. With educational card German/English. On Stand.

**Size: 13 x 13 x 24 cm**

**Weight: 740 g**

**Ref.no. 4663**



4569

**Model of Shoulder with Deep Muscle**

This model illustrates in great details the muscles, ligament and bones of the shoulder. Through different muscles section it is possible to observe the profound musculature as far as to the bone. Life size model in 1 piece.

**Size: 23 x 19 x 11, weight: approx. 0.4 kg**

**Ref.no. 4569**



4660

**Mini muscled joint set**

Set of 4 major joints in about half life size. Models of Knee, Hip, Shoulder and Elbow show bones, ligaments and muscles.

**Ref.no. 4660**



1125

### Knee-Implant-Model

This impressive model shows three scaled down knee models. In addition to the healthy knee this model shows a diseased knee as well as a knee with knee implant. All models are movable, upper and lower leg can be separated. Supplied on Plexiglas stand.

**Size: 34 x 11.5 x 16 cm, weight: 0.4 kg**

**Ref.no. 1125**



### Info

All models removable from the stand



4565

### 4-stage Osteoarthritis Knee

Set of 4 knee models ( $3/4$  scale) illustrating: degenerative joint disease (osteoarthritis); erosion to joint articular cartilage; Progression of degenerative joint disease; osteophytes (bone spurs) at the articular surfaces.

**Size: 16 x 26.5 x 17 cm**

**Knee size: 7.5 x 4.5 x 14 cm**

**Weight: 1.1 kg**

**Ref.no. 4565**



4570

### Longitudinal section – model knee

Frontal longitudinal section of the human knee joint. The bone structure, meniscuses, joint cartilage, synovial membrane and articular ligaments are represented in colour. Natural size.

**Ref.no. 4570**





### Hip-Implant-Model

This impressive model shows three scaled down hip models. In addition to the healthy hip this model shows a diseased hip as well as a knee with hip implant. All models are movable, pelvis and femur can be separated, the implant can be removed from the femur. Supplied on Plexiglass stand.

**Size: 34 x 12 x 19 cm**

**Weight: 1.1 kg**

**Ref.no. 1115**

**Info**  
All models can be removed and disassembled



### Hip joint with resurfacing implant

This hip joint in life size shows a "Birmingham Hip". The implants can be removed to allow the doctor to explain the function to the patient. The model can easily be removed from the stand and disassembled.

Comes on Plexiglass stand.

**Size: 16 x 13 x 29 cm**

**Weight: 0.9 kg**

**Ref.no. 1118**



### 4-stage osteoarthritis hip

Set of 4 hip models ( $\frac{1}{2}$  scale) illustrating: degenerative joint disease (osteoarthritis); erosion to joint articular cartilage; Progression of degenerative joint disease; osteophytes (bone spurs) at the articular surfaces.

**Size: 16 x 26.5 x 17 cm, weight: 1.1 kg**

**Ref.no. 4567**