

KaVo Study Models and Teeth.

Well-prepared for practice.  
Perfect in every detail.



KaVo. Dental Excellence.

KaVo Study Models and Teeth

## Quite simply "human".

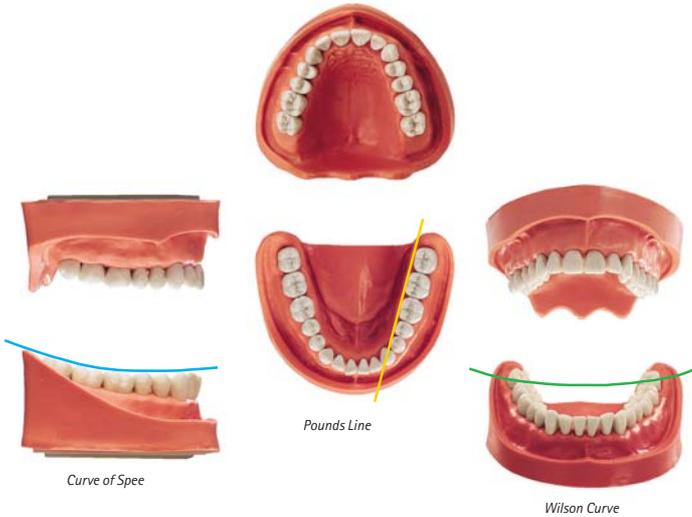
KaVo study models and teeth are based on a copy of an original patient, with all pertinent anatomical and morphological details. When mounted in a suitable jaw-simulator (G40, G50), the functional relationship between tooth structure and the morphology of the TMJ can be meaningfully taught.

The retention system holding the teeth in the model base reliably prevents loss of occlusion when teeth need to be exchanged.

The movement of the teeth, together with the interdental space, enables matrix bands and rubber dams to be used. Provision has been made for the simulated

teeth to be moved horizontally, consistent with normal function, enabling working under virtual "human" conditions.

KaVo models incorporate all relevant compensation curves – an important teaching aid.



KaVo Study Models and Teeth

## Simulated teeth with all morphological details.



For KaVo the human being is the criterion – one example of which is the material used for the teeth: the hardness is very similar to natural dentine. This, together with the superb reproduction of the tooth anatomy, provides the student from the beginning with the correct touch for later use on a real patient.



KaVo models ensure not only the "1 to 2" tooth contact, but also a perfect occlusion, for both adult and children's models.



Approximal contact is provided, as in nature.

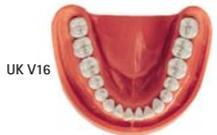


Various types of teeth are available: With patented latch mechanism (able to be locked for examination purposes) or teeth with anatomically-shaped roots.

KaVo Study Models and Teeth

## Ideal working conditions.

### Study models, full dentition



Pedo model



### Study models, edentulous



OK UB W  
with soft-tissue  
gingiva  
or  
OK UB H  
with hard  
gingiva

UK UB W  
with soft-tissue  
gingiva  
or  
UK UB H  
with hard  
gingiva

### Study models, partial dentition



Other partial models available – on request

KaVo Retention Mechanism

## The quicker the better!

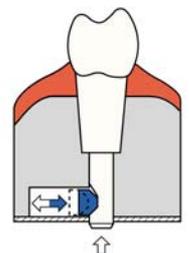
The cleverly-designed, patented retention mechanism ⑤ holds the simulated teeth ① precisely in the model base, but allows them to be easily removed by means of extraction forceps.

This mechanism drastically reduces the time usually wasted when setting up teeth, as it is now not necessary to use screws.

Thus, with KaVo EWL you work much faster, more precisely and under ideal anatomical conditions.



Fast and easy  
tooth replacement



Simulated  
tooth with soft gingiva.

The Structure of the Model

## As simple as possible.

All models with the retention mechanism (incl. partial models) have the identical structure

For examination purposes, the locking comb ⑦ should be fitted, completely preventing unauthorised removal of the teeth.



Complete study model



- ① Teeth
- ② Gingiva
- ③ Screws
- ④ Model base
- ⑤ Retention mechanism
- ⑥ Baseplate
- ⑦ Locking comb

## KaVo Surgery Models and Implant Models The best pre-conditions.

KaVo surgery models enable a variety of exercises to be practised, for example osteotomy (unerupted 8's and 3's), root amputation and apical resection.

The realistic structure of the bone, simulating the substantia compacta and spongiosa, together with incorporated sinuses provide ideal condition for the insertion of implants and life-like surgical exercises.

The soft tissue gingiva enables incision and suturing techniques to be realistically practised.

### Surgery models



OK CH



UK CH



A cross-section of the KaVo surgery model (without gingiva) shows the unerupted teeth. All exercises can be carried out in all 4 quadrants.



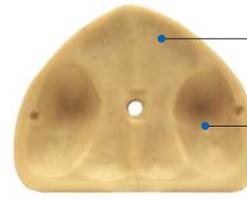
Detail: Wisdom tooth impacted

### Implant models

This endentulous model is suitable not only for implantology, but also for full denture exercises.

The model is provided with nasal cavities and sinuses in the maxilla, together with nerve canals in the mandibular portion.

These features in conjunction with the life-like bone structure, provide realistic conditions for exercises in implantology.



OK UBW



Nasal cavity (Cavum nasi)

Maxillary sinus (Sinus maxillaris)

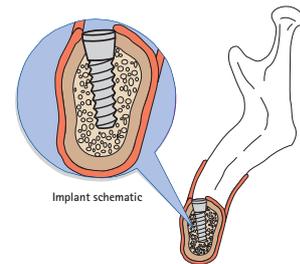


UK UBW



Nerve canal (Canalis mandibulae)

Nerve egress (Foramen mentale)



Implant schematic

## Superb periodontal diagnosis.

## Scaling, Root planing and GTR-exercises.

### Early adult periodontitis

OK PA A1



UK PA A1



### Early adult periodontitis with pockets (Hyperplasia)

OK PA A2



UK PA A2



### Advanced adult periodontitis

OK PA B1



UK PA B1



### Advanced adult periodontitis with recessions

OK PA B2



UK PA B2



Localised periodontal disease with intraosseous components can be diagnosed.



Clearly open furcations (Class II) are to be found in the mandibular.



Hyperplasia primarily in the interdental spaces indicated.



Periodontitis well-advanced in the molar region.



Universal early furcation periodontitis on teeth 36 and 37.



"Cleft-like" recessions visible in the upper as well as in the lower jaw.

KaVo Silicone Moulds

## Easy transposition of KaVo models in plaster.

The silicone mould ⑤ is used for the production of economical individual models. This allows the possibility of using natural teeth as well as KaVo simulated teeth (latch-type or with roots). With this option it is possible, for example, to practise endodontic treatment on natural teeth. The coverplate ③ and the threaded insert ④ enables these models to be mounted in the KaVo jaw simulator.



New silicone moulds from which plaster models are produced, can be purchased separately or selfmanufactured by using the KaVo casting set. The epoxy model ③ serves as the matrix.



Ideal Accessories

## Easy mounting of models in the articulator.

The transfer plate enables KaVo models to be mounted in any articulator with sufficient headroom.

The models can then be correctly articulated in accordance with the respective data.



## Aids for Periodontal Study Models.

Simulated calculus kit



## KaVo Study Models and Teeth.

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