uDesis™

synthetic bone substitute

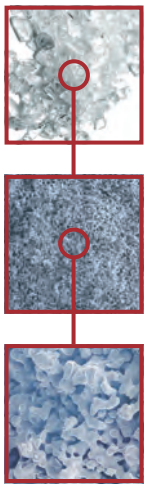
Can be combined
with ulrich medical
spinal systems

ulrich
medical

Synthetic bone substitute

uDesis as alternative to autograft bone

uDesis is a synthetic, highly crystalline beta-tricalcium phosphate bone replacement material. uDesis is used by orthopedic surgeons treating defects of the skeleton such as fractures and in specialist surgical techniques such as spine surgery. uDesis is regularly and successfully used in place of both autograft and allograft bone. Clinical results prove the very good rates of fusion. uDesis is completely remodeled into autograft bone.



Advantages

Individual malleability

uDesis is variably malleable and can be fit very well to defect sites. Clean and easy handling without adhesion to gloves is guaranteed.

Easy to apply

uDesis Gel is ready to use and can be applied immediately and directly. This saves time in the OR.

Micropores for remodeling processes

uDesis achieves a larger surface due to microporosity (0.001 - 0.100 mm). This supports the remodeling processes by the cells on the material.

Osteoconductive

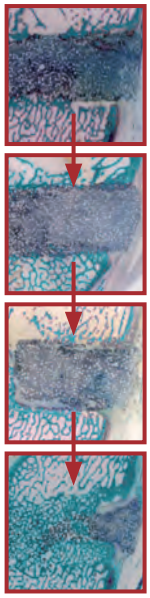
The three-dimensional, highly porous structure of uDesis supports the cell proliferation and serves as a guide rail for bone remodelling.

Reliable application

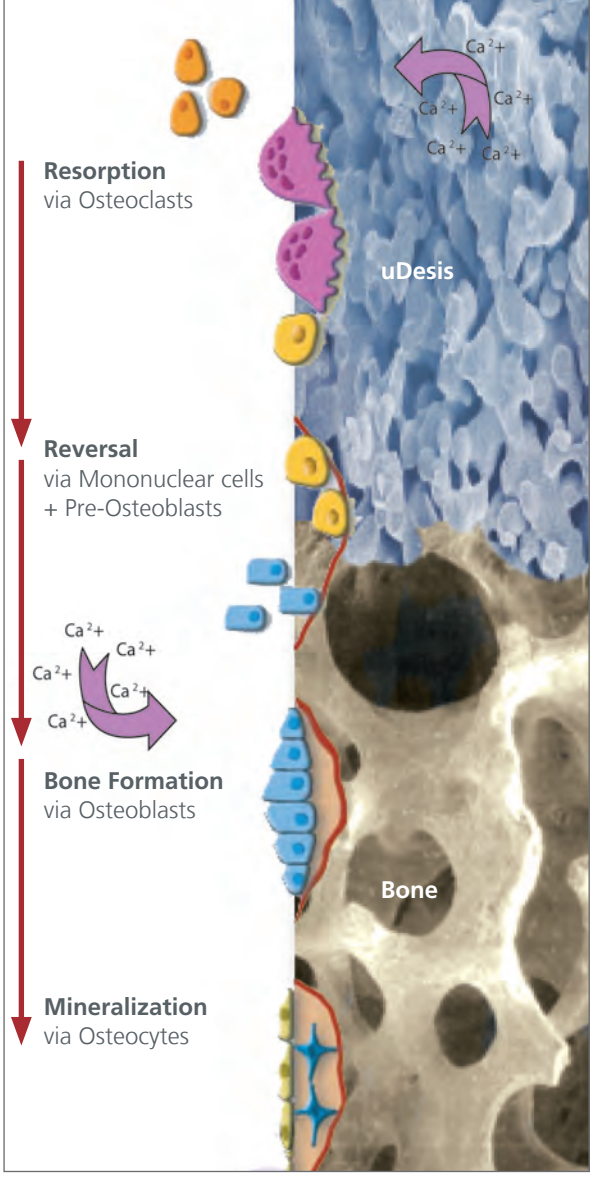
uDesis remains in position, even in contact with rinsing media and bodily fluids.

Accretion to the bone

The gel allows the filling of bone defects and accretion to implants with maximum possible contact between bone and bone subsitute.

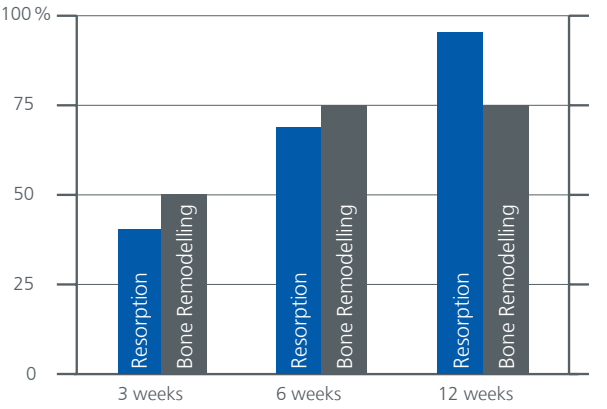


Physiological resorption process of uDesis™



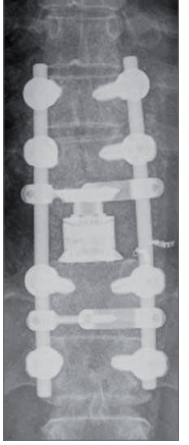
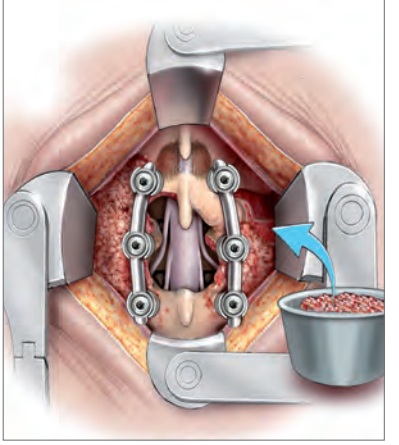
Interconnected macropores

The sizes of uDesis macropores range from 0.1 to 1.0 mm. The osteoclasts and osteoblasts can thus vascularize and migrate (Gazdag, 1995).

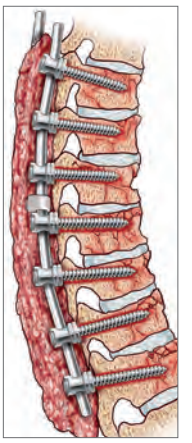


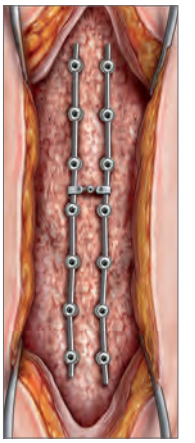
Fully resorbable

uDesis is slowly resorbed and converted to new bone by the action of the normal cellular physiological process. 12 weeks after implantation into a critical size defect, uDesis has mostly been remodeled into new bone substance.


Indications



Intended use

uDesis is used for filling bony defects or voids due to:

- Surgical procedure
- Traumatic injury to the bone
- Removal of a cyst
- Removal of a tumor

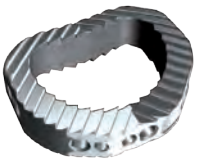
The indications shown are a recommendation for use from ulrich medical

Combinations

Can be combined with ulrich medical spinal systems

uDesis can be combined with the ulrich medical cages. The ready-to-use gel individually adapts to the filling volume of the cage.

uDesis gel is suitable as an addition to instrumentation with ulrich medical screw-rod systems or vertebral body replacement for a rapid fusion.



tezo
titanium cage family

cerv-X
cervical cage

uCentum
comprehensive posterior system

Components

Gel	Volume	Product no.
uDesis Gel, synthetic bone substitute	1 cc	CS 6604-010
uDesis Gel, synthetic bone substitute	2,5 cc	CS 6604-025
uDesis Gel, synthetic bone substitute	5 cc	CS 6604-05
uDesis Gel, synthetic bone substitute	10 cc	CS 6604-10

Clinical References

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