Together with leading dentists of the University of Zurich and experts in the field of biomaterials at ETH Zurich, we started in 1999 to develop a new therapy with the goal to prevent the atrophy of the alveolar ridge after tooth extraction. It is our goal that within 10 years, all extraction sockets will receive a preventive treatment and thus, post extraction atrophy will be a thing of the past.

First, we developed a phase-pure β-Tricalciumphosphate (β-TCP) granules for bone defect filling: easy-graft™. Its high interconnected porous, super-porous and hemostatic properties or complete resorption is highly valued by the users.

Our newest achievement is the development of our RootReplica™: there is no “easier” way to fill bone defects.

The granules are now sticky and may be molded to fill the defect with a condenser. The granules are now sticky and may be mixed into Biolinker by using a syringe. Excess granules may be removed easily with a scaler. The granules are now sticky and may be applied directly into the bone defect. The granules are now sticky and may be applied directly into the bone defect.

Literatur about DS Biomaterials

- Excess granules may be removed easily with a scaler
- Mold the sticky granules to fill the defect with a condenser
- Inject easy-graft into the bone defect containing excess Biolinker.
- Mix both components and discard excess Biolinker.
- Fill the Biolinker into the syringe.
- Open the pouch with the syringe.

**easy-graft™** consists of a new unique biomaterial: bioabsorbable granules with a sticky surface. Apply directly into the defect, the bone graft will harden in situ within minutes...

Step by step...
- Open the pouch with the syringe containing easy-graft™ granules, open the pouch with the Biolinker.
- Mix both components and discard excess Biolinker.
- Fill the Biolinker into the syringe.
- The granules are now sticky and may be applied directly into the bone defect.

High clinical benefits due to an innovative biomaterial concept

- Osteo-regeneration and complete resorption of graft due to phase-pure β-Tricalciumphosphate
- Ingrowth of cells due to interconnected open porosity
- High probity due to bionic structure of granules
- Injectable putty due to fast resorbing polyacetic acid coating
- Prevention of bacterial colonization due to dense coating
- No loss of granules due to solid body formation in situ
- Blood uptake and tissue ingrowth due to porosity between granules
- Hemostatic effect
- Direct bone contact promotes tissue ingrowth
- Bone formation in parallel to graft degradation

**easy-graft™** consists of a new unique biomaterial: bioabsorbable granules with a sticky surface. Apply directly into the defect, the bone graft will harden in situ within minutes...
Simplify your therapy

Straight from the syringe into the defect...

**easy-graft™** is the first biomaterial applied straight from the syringe into the defect where it subsequently hardens and creates a porous but stable bone graft. During the application the granules stick together and stay at the defect site.

**easy-graft™** is 100% synthetic, completely resorbable and replaced by autologous bone tissue within months.

**easy-graft™** is intended for use for all dental indications where bone grafts are needed.

**benefits in periodontology**
- Easy modeling in the pocket
- The sticky granules stick in the defect
- No membrane needed
- In situ hardening
- Reduction of pocket depth from 7 µm to 2 mm

**easy-graft™ 150**
- The application unit for small bone defects
- Recommended indications: Periodontal defects
- Granule size: 500–630 µm
- Reference number: C 11-013

**easy-graft™ 400**
- The application unit for medium to large bone defects
- Recommended indications: General bone defects, oral surgery, implantology, alveolar therapy, sinus floor elevations
- Granule size: 500–1000 µm
- Reference number: C 11-022

**RootReplica™**
- The leading product against atrophy of the alveolar ridge after tooth extraction
- Recommended indications: Alveoles therapy after tooth extraction
- RootReplica™ Implant Kit
  - Set of 3 implants incl. impression material
- Reference number: C 01-003

**calc-i-oss™**
- The bionic solution for 100% synthetic ß-TCP granules
- New bone
- Stable shell, porous core
- Completely resorbable
- High, interconnected porosity
- Recommended indications: General bone defects, oral surgery, implantology
- Granule size: 315–500 µm, 500–1000 µm, 1000–1600 µm
- Reference number: A02 - 103B, A02 - 103C, A02 - 103D

**easy-graft™ 150**
- The application unit for small bone defects
- Recommended indications: Periodontal defects
- Granule size: 500–630 µm
- easy-graft 150
- 6-application units, 0.15 ml
- Reference number: C 11-013

**easy-graft™ 400**
- The application unit for medium to large bone defects
- Recommended indications: General bone defects, oral surgery, implantology
- Granule size: 500–1000 µm
- easy-graft 400
- 2-application units, 0.4 ml
- Reference number: C 11-022

**RootReplica™ Equipment Kit**
- Replacement, heated Condenser, Impression gun
- Reference number: F 070-01005