Dear Reader

Research findings on bone regeneration are progressing. So are the methods and options use bone grafts and their substitutes. What is the past scarcely anything other than autogenous bone was used, nowadays more extensive bone graft substitutes have found their way into the clinics. Granules from xenogenic, human or synthetic origins are used for tooth implantation, dental surgery using GBR technique. The broad availability and clinically proven effectiveness of these products has made them the gold standard in daily practice. With easy-graft™ CRYSTAL it is extremely easy handling. The long-lasting and consistent effect of the material allows for daily use of bone graft substitutes and has been a door opener to novel therapeutic possibilities.

From Orthopaedics to Dentistry

Faithfully yours, Kurt Ruffieux

You will not be disappointed!

easy-graft™CRYSTAL

development of bone graft substitutes and test application technique.

preservation of bone volume. The new biphasic granules are suitable for every indication. Not every material is suitable for every indication. Especially in large defects and for indications which are prone to high atrophy, bone graft substitutes that degrade slowly or only partially may prove to be advantageous.

For such uses, DS recommends biphasic porous calcium phosphate granules. This material has been successfully used in orthopaedics for years and consists of hydroxyapatite and ß-TCP. The B-TCP results in a calcium surplus and forms porous channels that function as a guiding structure for bone regeneration. The crystalline structure of the hydroxyapatite has an optimal surface for osteoconduction and remains in the bone for years. Therefore, it supports the long-term stability of bone tissue volume. The new innovative granules are available with the award-winning easy-graft™ application technique.

Profit from over 15 years of experience in development of bone graft substitutes and easy-graft™ CRYSTAL. You will not be disappointed.

Indications

- Large bone defects
- Regions that are prone to bone atrophy
- Patients with reduced bone regeneration potential

Possible uses are

- Cystectomy
- Socket preservation
- Sinus floor elevation
- Guided bone regeneration (GBR)
- Periodontal defects
- Periimplantitis

Vertical alveolar ridge augmentation

easy-graft™CRYSTAL was used to fill the void below the mobilized layer of cortical bone in a vertical augmentation procedure. The hardening of the material resulted in a good primary stability, optimal stabilization of the mobilized lamellae.

Step by step...

Open the pouch with the syringe containing easy-graft™CRYSTAL granules, open the pouch with the Blinder;

Fill the Blinder into the syringe.

Mix both components and discard excess Blinder.

The granules are now sticky and may be applied directly into the bone defect.

Possible uses are

- Periodontal defects
- Bone spreading
- Sinus floor elevation
- Guided bone regeneration (GBR)
- Socket preservation

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High osteoconduction and long-term volume preservation

easy-graft™CRYSTAL achieves an accelerated osteoconduction thanks to its high micro- and macroporosity as well as its optimally balanced material formulation. The ß-TCP (40%) resorbs slowly while the hydroxyapatite (60%) remains in the defect and functions as a highly porous scaffold ensuring long-term volume preservation.

easy-graft™CRYSTAL

Reference no.  C15-012  C15-023  C15-032  C15-033
Units  3 x 0.15 ml  6 x 0.15 ml  3 x 0.4 ml  6 x 0.4 ml
Granule size  450 – 630 µm  450 – 630 µm  450 – 1’000 µm  450 – 1’000 µm
Material  Biphasic calcium phosphate (60% HA / 40% ß-TCP)
Indication  Large bone defects and patients with reduced bone regeneration potential, e.g. in cystectomy, socket preservation, sinus floor elevation, bone spreading, guided bone regeneration (GBR), periodontal defects, periimplantitis

easy-graft™CLASSIC

Reference no.  C11-012  C11-033  C11-002  C11-003
Units  3 x 0.15 ml  6 x 0.15 ml  3 x 0.4 ml  6 x 0.4 ml
Granule size  500 – 630 µm  500 – 630 µm  500 – 1’000 µm  500 – 1’000 µm
Material  Pure phase ß-tricalcium phosphate (>99 %)
Indication  Small defects in oral surgery, implantology, socket preservation, and sinus floor elevation

calc-i-oss™

Reference no.  A02-103B  A02-103C  A02-103D
Units  3 x 0.5 g  3 x 1.0 g  3 x 2.0 g
Granule size  315 – 500 µm  500 – 1’000 µm  1’000 – 1’600 µm
Material  Pure phase ß-tricalcium phosphate (>99 %)
Indication  General bone defects in oral surgery and implantology