

PATIENT INFORMATION

Bone regeneration with BEGO biomaterials: BEGO OSS, BEGO OSS S

Why do I need bone replacement material?

Via the root, our teeth are deep-seated in the jaw bone. This gives the teeth the necessary stability for biting and chewing. Infections and loss of teeth can lead to degeneration of the bone substance. Consequently, the stability of the remaining teeth decreases, which in turn leads to a tremendous impairment of the quality of our dentition. Bone replacement for the formation of new bone can thwart against this process. Especially the replacement of missing teeth with implants requires a strong bone matrix. The implant can be placed only after a successful osteogenesis so that the quality of the dentition can be restored. For the formation of new bone, your attending dentist recommends the use of a bone replacement substance of strictly biological origin like BEGO OSS (bovine bone/xenograft) or BEGO OSS S (alloplastic/synthetic).

Why does your dentist recommend a bone replacement substance of strictly biological origin like BEGO OSS (bovine bone/xenograft) or BEGO OSS S (alloplastic/synthetic) for the formation of new bone?

It is much easier for our body to regenerate new bone from our own bone substance. Therefore, many times bone is harvested from another site of the body and transplanted to the primary operation site. The disadvantage of this procedure is obvious: A second wound is inflicted with the well-known disadvantages (e.g. pain, anaesthesia, costs). Focus should be the use of a material that is closest to endogenous bone but does not require a second operation. BEGO Implant Systems is offering natural bone substances. BEGO OSS is attained from carefully controlled bovine bone and its matrix is similar to the inorganic endogenous bone component. BEGO OSS S is a fully synthetic material without any risk of disease transmission. In all cases the body is provided with biological bone substance, which can be partially transformed (BEGO OSS S) or integrated into viable bone.

What happens to BEGO biomaterials in your body?

Because the structure of the BEGO OSS (bovine bone/xenograft) or BEGO OSS S (alloplastic/synthetic) is very similar to your own bone, it is used as conduction from your body to regenerate new bone. After implantation, the BEGO OSS (bovine bone/xenograft) or BEGO OSS S (alloplastic/synthetic) is "re-populated" step by step by newly formed bone. The BEGO OSS (bovine bone/xenograft) will be integrated into the new bone while BEGO OSS S (alloplastic/synthetic) will be partially degraded. The duration of the resorption process last approximately 3 to 9 months and highly depends on many factors.

Are BEGO biomaterials safe materials for implantation?

BEGO OSS (bovine bone/xenograft) is carefully attained from bovine bone. The source tissue has been treated with a high temperature process. The process ensures sterility and biocompatibility of the material on the one hand, and preserves the favourable features of natural bone substance at the same time. BEGO OSS (bovine bone/xenograft) is produced in Germany by specially trained and experienced staff. The raw material underlies strict quality and safety controls throughout the entire process. (CE-certification according to the latest directives). BEGO OSS S (alloplastic/synthetic) is a 100% synthetic bone replacement substance, fulfilling the newest and highest safety EU and CE standards and directives.

Are there any other alternatives for you?

Alternatives, instead of using BEGO biomaterials, are the already mentioned transplantation of endogenous bone. Aside, there are other bone replacements of animal or synthetic origin with different structural and biological characteristics. Your attending dentist will inform you of the advantages and disadvantages of the alternatives for BEGO biomaterials.

Declaration

I have read and understood everything. My physician informed me of the treatment with BEGO biomaterials. I comprehend the content of the information and I consent to the treatment with BEGO biomaterials.

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Place, Date

.....
Patient's signature

.....
Patient's name

.....
Place, Date

.....
Dentist's signature

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