

myplant: putting biology in the spotlight

Techniques, methods and products are increasingly being deployed in attempts to take the individual biology of each patient and the respective indication into account as effectively as possible. myplant has systematically organised its entire portfolio with this in mind right from day one.



Biology: it's in the name

It all started with the **myplant bio**, and the innovative hybrid implant that rightly references biology in its name is still the beating heart of the company. It perfectly matches the tissue-friendly properties of a ceramic implant with the technical advantages of a titanium implant with a self-locking and virtually bacteria-proof conical connection. A specially developed bioengineering process, unique in the field of dental implants, creates an abrasion-resistant and shear-resistant titanium/ceramic composite that ensures that the ceramic Cerid surface forms on the surface of the enossal section and the ceramic niobium surface on the abutment. Each of these surfaces establishes the best-possible biological conditions for the hard and soft tissue in the surrounding area. With myplant bio, clinicians can thus achieve ideal circumstances for consistent stability and an aesthetically pleasing appearance.

Natural biological alternative

In **AlgOss** myplant offers a vegan and almost completely absorbable biological bone regeneration material derived from marine red algae. Both the 100% hydroxylapatite that it is used to produce and the composite consisting of 20% hydroxylapatite and 80% beta-tricalcium phosphate, which is absorbed much more quickly, are very similar to human bone in terms of chemical composition and morphological structure. The highly porous lead structure offers an ideal osteoconductive scaffold that provides the perfect frame for the newly formed vital bone. A material like this is more precious than ever given religious, ethical and ideological viewpoints as well as environmental and nutritional stresses and strains on patients, not to mention increased frequency of allergic reactions.



Giving biology a helping hand

Hydrophilic or even superhydrophilic implant surfaces have been shown to speed up the healing process by means of improved cell adhesion. However, carbon adsorbates accumulate on the implant surface within just a few weeks of an implant being manufactured and packed in sterile packaging, and these reduce surface energy and hydrophilicity. In myplant **Yocto III**, there is now a cold plasma system that can be used chairside to restore hydrophilicity in as many as six implants in a matter of minutes. It does not alter the original properties of the surface. myplant is the partner of choice for any dental specialist, not just those preferring to focus on biological methods.



myplant
The biological company



myplant bio
Ceramic hybrid
implant



AlgOss
Vegan bone regenera-
tion material



Yocto III
Hydrophilicity thanks
to cold plasma

For more detailed information on myplant bio, AlgOss and Yocto III, please contact myplant GmbH by e-mail at info@myplant-dental.com or by calling +49 2131 1259 465.

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