Introducing creos xenografts

Designed by nature, developed for clinicians

by Nobel Biocare

■ Sufficient bone quantity and quality are essential for successful dental implant treatment. For that reason, Nobel Biocare introduced creos regenerative solutions, an extensive array of options for guided bone regeneration and guided tissue regeneration procedures.

The latest addition to the creos range is the creos xenograft bone substitute. Together with the creos xenoprotect resorbable collagen membrane, it now offers clinicians a comprehensive set of xenogeneic options for a wide variety of indications and preferences.

A foundation for implant treatment—creos xenograft

This creos xenograft bone substitute has been developed with clinical needs in mind. It has been proven to be biocompatible, and unique processing methods remove the bovine proteins and lipids. The natural bone matrix of creos xenograft is characterized by micro- and interconnected macropore structures. With a calcium phosphate ratio that reflects the composition of human bone and a low crystalline structure, creos xenograft is accepted by the body as a suitable framework for bone formation.

Bone substitutes in the creos xenograft range have a slow resorption rate and act as a long-lasting scaffold, maintaining space for bone regeneration.

Easy to handle—creos xenograft

For quick and easy application of the graft, creos xenograft is delivered sterile and comes either in a vial or in a bowl ready for mixing. There is also a choice of two granule sizes and up to four volume options, offering a wide variety of alternatives depending on the clinical indication and preference.

The natural barrier—creos xenoprotect

Once the bone substitute has been applied, the resorbable creos xenoprotect membrane can be used to hold it in place and act as a barrier to soft-tissue ingrowth. Manufactured using highly purified collagen and elastin fibers, it possesses outstanding handling properties that make it easy to reposition and unfold. Hydrated in seconds, but with minimal size increase, creos xenoprotect can be trimmed when dry for accurate placement at the graft site.

Creos xenograft is available in a bowl ready for mixing, eliminating the need for an additional sterile dappen dish. Once hydrated, creos xenoprotect offers prolonged protection of the graft site, while its excellent vascularization behavior and tissue compatibility support fast healing.

Each product in the creos range of xenogeneic solutions has been developed to optimize treatment results. This comprehensive selection offers biocompatibility, easy handling, slow resorption rates and variety. Whichever option the clinician chooses, he or she can be confident of building a reliable foundation for implant treatment success.

More to explore!
For more information about creos regenerative solutions, including articles and cases, visit www.nobelbiocare.com/creos.

References:
7. Data on file for atomic emission spectrometry analysis (NIBEC).
The KaVo MASTERSurg LUX Wireless was designed to redefine surgical standards, offering all dentists and oral surgeons an ideal surgical solution, no matter what their individual needs.

With an eye toward maximizing comfort, the unit features wireless foot control, allowing the user great freedom of movement, and a modern touchscreen with a non-reflecting display to allow optimal viewing from all angles. Valuable for the comfort that comes from peace of mind, the data documentation allows for the comfort that comes from peace of mind, the data documentation supports procedures with real-time display of the torque and other important digital data, saving it concurrently.

Another critical feature is the customizable programming to address individual requirements. With simple and intuitive settings for different bone densities, implant systems and users, a clinician can customize up to ten programs, each with ten individually programmable steps.

These outstanding features are the foundation for the quality and high performance provided by the INTRA LUX 6400 LED, one of the world’s lightest surgical motors.

Delivering on the promise of innovation and quality, KaVo users worldwide have come to expect, the KaVo MASTERSurg LUX Wireless is taking dental surgery to a whole new level, providing a feature that makes a substantial difference in delivering maximum performance on a daily basis.

### Treatment planning: Begin with the end in mind

The value of planning for final results before treatment initiation

by Dr. Gary Orentlicher, US

I have frequently remarked that in the last 15 years there has not been a greater practice builder for me, as an oral and maxillofacial surgeon, than my involvement in guided surgery. Using my i-CAT (Imaging Sciences International), in combination with NobelClinician Software (Nobel Biocare), has made me a better, more accurate dental implant surgeon, and most importantly, has greatly improved my patients’ case outcomes. It has changed the way I practice daily in all aspects of patient diagnosis, planning and surgery.

i-CAT and NobelClinician allow for treatment planning and surgical predictability with full 3D and restorative outcomes in mind. i-CAT’s high-resolution volumetric images provide complete views for a more thorough analysis of bone volume and structure and of teeth and implant orientation. This means more precise evaluations, minimally invasive procedures, more predictable treatment results, shorter appointment times and happier patients.

In a presentation I made this spring, I spoke about what I regard as the indications for guided surgery. They include:

- significant alteration of bony anatomy (e.g., trauma, grafting, distraction and pathology)
- medical problems (e.g., radiation therapy, bleeding dyscrasias, and orthopedic and psychological problems).

In each case, there are four primary steps to a successful guided surgery workflow:

1. 3D imaging with a scanning prosthesis or optical scans
2. 3D treatment planning with DICOM data sets and imported into NobelClinician for treatment planning. I have used most implant software on the market and I feel strongly that NobelClinician is the premier product.
3. Creation of a computer-generated guide, laboratory and surgery
4. Knowledge of the appropriate implant-specific drilling instrumentation

In my clinical experience, the quality of the products one uses makes a significant difference in the process and final treatment result. I look for quality, ease of use and support that helps me practice with the greatest amount of confidence.

I use the i-CAT cone beam 3D unit, which offers many valuable features, including flexible imaging control. This allows me to customize my scans by minimizing the field of view and radiation dosage while maximizing resolution. With i-CAT, I gain greater control over my workflow and the entire scanning process.

I have my CBCT scans converted into DICOM data sets and imported into NobelClinician for treatment planning. I have used most implant software on the market and I feel strongly that NobelClinician is the premier product.

For clinicians with an interest in using the power of 3D to create implant treatment plans, they will be making an investment in their clinical skills and improving their patients’ experiences and outcomes. This will lay the groundwork for increasing treatment acceptance rates and implant practice growth.

### About the author