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TOPIC

The tooth of the future



»EDI News: Coming up: 8th European Symposium in Barcelona · The tooth of the future: Interview with stem-cell researcher Jürgen Hescheler · iCAMPUS 2014 programme for beginners in oral implantology »European Law: Government planning, the establishment of healthcare providers and EU law »Clinical Science: New tantalum-titanium hybrid implant in the SEM »Case Studies: All-on-Four protocol using special piezoelectric inserts »Product Studies: Aesthetics meets CAD/CAM in the dental surgery · Intraosseous anaesthesia · Sinus floor augmentation using porous titanium granules

Dentsply Implants Astra Tech Implant System EV

Dentsply Implants introduces the next step in the continuous EVolution of the Astra Tech Implant System. The Astra Tech Implant System EV is designed with a site-specific, crown-down approach based on the natural dentition for increased surgical simplicity and flexibility and restorative ease – without compromising the special Astra Tech Implant System BioManagement Complex.

The foundation of this evolutionary step is the Astra Tech Implant System BioManagement Complex, well documented for its long-term marginal bone maintenance and esthetic results provided by the combination of the key features: the OsseoSpeed surface, MicroThread, Conical Seal Design and Connective Contour. The main objective of the new system is to further improve system logic, robustness and user-friendliness. Simplicity without compromise has permeated the evolution of the Astra Tech Implant System EV.

The new system is a result of the collaborative input and insights from dental professionals throughout the global dental industry. *Dr Lyndon Cooper, USA, and Dr Clark Stanford, USA,* are clinician scientists



Product:
Astra Tech Implant System EV

Indication:
Dental implantology

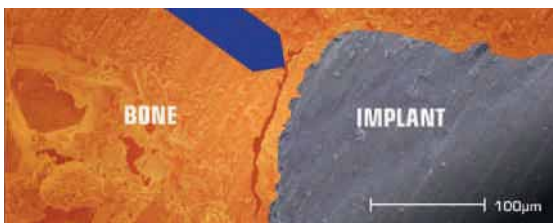
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with broad dental implant experiences that include recent clinical activities using the Astra Tech Implant System EV. With a select group of international peers, they have shared their perspectives acknowledging these goals.

The Astra Tech Implant System EV will be launched globally beginning in March 2014 and continuing throughout the year. ■

Nano Bridging Molecules SurfLink Dental

The novel Frost & Sullivan award-winning surface treatment SurfLink Dental by Nano Bridging Molecules results in a bone-like implant surface. This treatment is easy to apply to any implant at chairside right before insertion. The SurfLink surface is highly



Surflink – Overload testing results in fracture within bone.



Control – Overload testing results in fracture at the interface.

hydrophilic and stable. Due to its phosphorous-rich nature, the SurfLink surface is biocompatible and perceived as bone-like by the body. In a study with induced fractures, these fractures occurred away from the bone-to-implant interface. This demonstrates that the bond between the bone and the implant is stronger than the bone itself.

Dental clinical results collected over five years show that SurfLink-treated implants maintain marginal bone levels one year after loading, while control implants lose a significant amount of marginal bone height. The long-term reliability and predictable clinical outcomes of SurfLink Dental-treated implants have the potential to reduce intervention costs and improve patient satisfaction. ■

Product:
SurfLink Dental

Indication:
Dental implantology

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