

Nobel Biocare premieres NobelPearl™, the only 100% metal-free ceramic implant solution at EuroPerio9

Media release

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Dental professionals can now add a splash of life to their treatment portfolio with NobelPearl ceramic implants launched by Nobel Biocare during EuroPerio9, June 20-23, in Amsterdam.

Recent trends in the dental implant market indicate that patients increasingly prefer metal-free solutions for the look and feel of natural teeth. With NobelPearl, dental professionals can now give them the esthetics they desire, as the two-piece ceramic implant with a cement-free internal connection supports a natural soft-tissue appearance.

An alternative to titanium implants, the 100% metal-free NobelPearl was designed for excellent soft-tissue attachment and low inflammatory response¹. Its zirconia material especially benefits patients with a thin mucosal biotype.² Studies have shown that microcirculatory dynamics in peri-implant mucosa around zirconia are comparable with those around natural teeth.³ Furthermore, it has demonstrated low affinity to plaque.^{1,4,5}

NobelPearl offers greater restorative flexibility compared with one-piece or cemented ceramic implants, owing to the two-piece, reversible cement-free internal connection. The Inter-X internal connection is specifically designed for ceramic implants. While the very strong ATZ ceramic absorbs compressive forces, the VICARBO® screw made of carbon fiber reinforced PEEK withstands tensile forces thanks to its continuous longitudinal carbon fibers. Risks of excess cement during intraoral cementation, often associated with soft-tissue inflammation and the development of peri-implant mucositis and peri-implantitis, can be avoided.⁶

Combined with the tapered drill protocol, the thread design and tapered implant shape of NobelPearl have been designed to achieve high primary stability. Osseointegration is achieved with help of the hydrophilic sand-blasted and acid-etched ZERAFIL™ surface as well as the partially machined collar.⁷ As no sintering or finishing takes place during the final shaping of the implant, a high level of dimensional precision and accuracy can be achieved.

The continuous development of ceramic implants by Nobel Biocare's manufacturing partner, Dentalpoint AG, has seen an increase in survival rate over time. With NobelPearl, dental professionals now have everything they need for a successful start in ceramic implantology. It is available for a broad range of indications, from single to multiple unit, and follows established workflows for two-piece implants. It will also be integrated into Nobel Biocare's digital workflow that includes treatment planning with the NobelClinician Software and guided implant surgery with NobelGuide pilot drilling. Additionally, clinicians will be able to offer patients the NobelPearl Ceramic Base CAD/CAM solution using DTX Studio design software later this year.

Hans Geiselhöringer, President Nobel Biocare, said: "The demand by patients for ceramic implants has been steadily growing. With NobelPearl, we are proud to finally bring the first completely metal-free screw-retained two-piece implant system to the market. The result of many years of active research in ceramic dental implant technology, it adds an exciting full-ceramic metal-free dental implant option to Nobel Biocare's leading range of titanium dental implants with the clinically proven TiUnite surface."

More information about NobelPearl is available at nobelbiocare.com/pearl or at booth 10.11 in hall 10.1 at EuroPerio9.

References

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Nobel Biocare is a world leader in the field of innovative implant-based dental restorations. The company's portfolio offers solutions from single tooth to fully edentulous indications with dental implant systems (including key brands NobelActive®, NobelParallel®, Brånemark System® and NobelReplace®), a comprehensive range of high-precision individualized prosthetics and CAD/CAM systems (NobelProcera®), treatment planning and guided surgery solutions (NobelClinician® and NobelGuide®) and biomaterials (creos™). Nobel Biocare supports its customers through all phases of professional development, offering world-class training and education along with practice support and patient information materials. The company is headquartered in Zurich, Switzerland. Production takes place at five sites located in the United States, Sweden, Japan and Israel. Products and services are available in over 80 countries through subsidiaries and distributors.

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