

ALL SPIRAL



eckermann
DENTAL IMPLANT SYSTEM

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ECKERMANN'S EXTERNAL CONNECTION IMPLANT

All Spiral® is the ideal implant for single surgery techniques, even in areas of aesthetic compromise, with proven results in immediate loading thanks to its extraordinary primary connection and the reliability of the Conelock prosthetic connection.

THE EMERGENCY

The design of the emergency is formed by a 1.6 mm height *conical zone* where the "cold welding" effect is produced. The *square element* gives the prosthetic abutment an effective anti-rotation effect. The polished ring facilitates the establishment and subsequent maintenance of soft perimplant tissues, forming a very aesthetic biological space.

MICROTHREADS

The cervical area of the implant has been designed with micro-threads that provide optimal distribution of the functional loads to preserve as much marginal bone as possible and stimulate calcification at that level.

VARIABLE COMPRESSION THREADS

The implant's macrodesign integrates variable compression threads that create very high levels of primary stabilization. The threads are different for each section of the implant so they can adapt to the density of each area of the bone, optimizing and improving its ability to receive loads.

ATRAUMATIC ROUNDED APEX

Protects the anatomical architecture from tissue damage.



DUAL THREAD PROFILE

For easier, shorter insertion time that reduces heat generation during implant placement.



HELICAL ALVEOLI

Self-threading for easier implant placement and to increase the amount of bone tissue that comes into close contact with the implant.



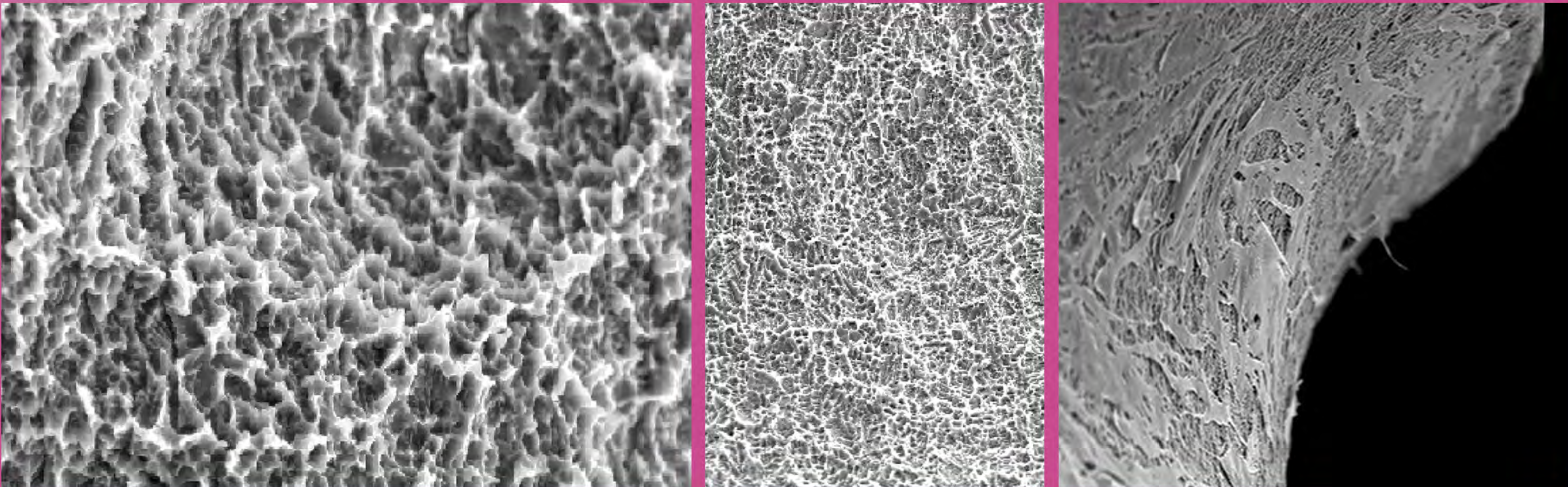
TRANSPORTER INCLUDED

All Spiral® implant comes in a double esteril packaging and includes transporter.

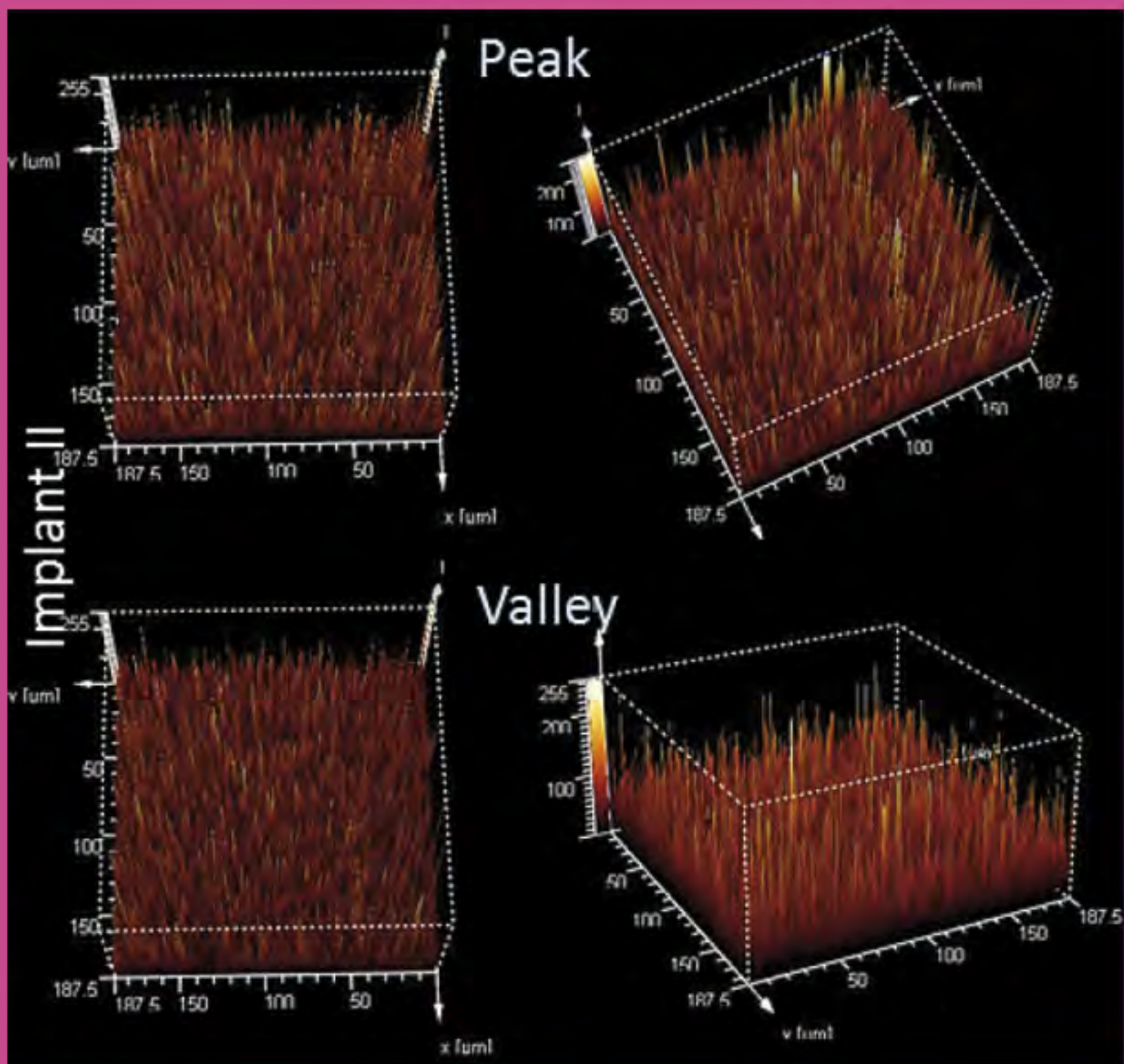
SURFACE ECKCYTE®



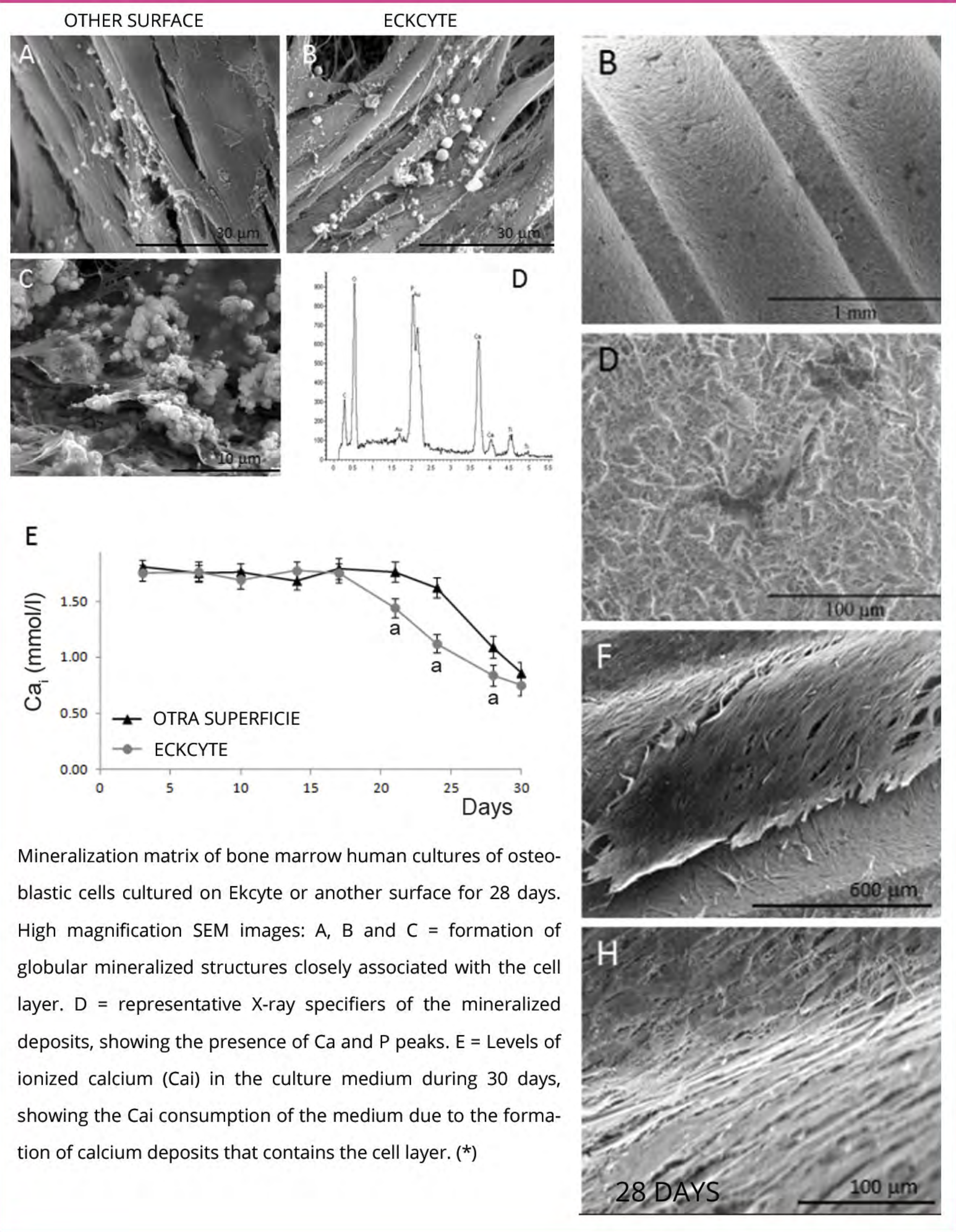
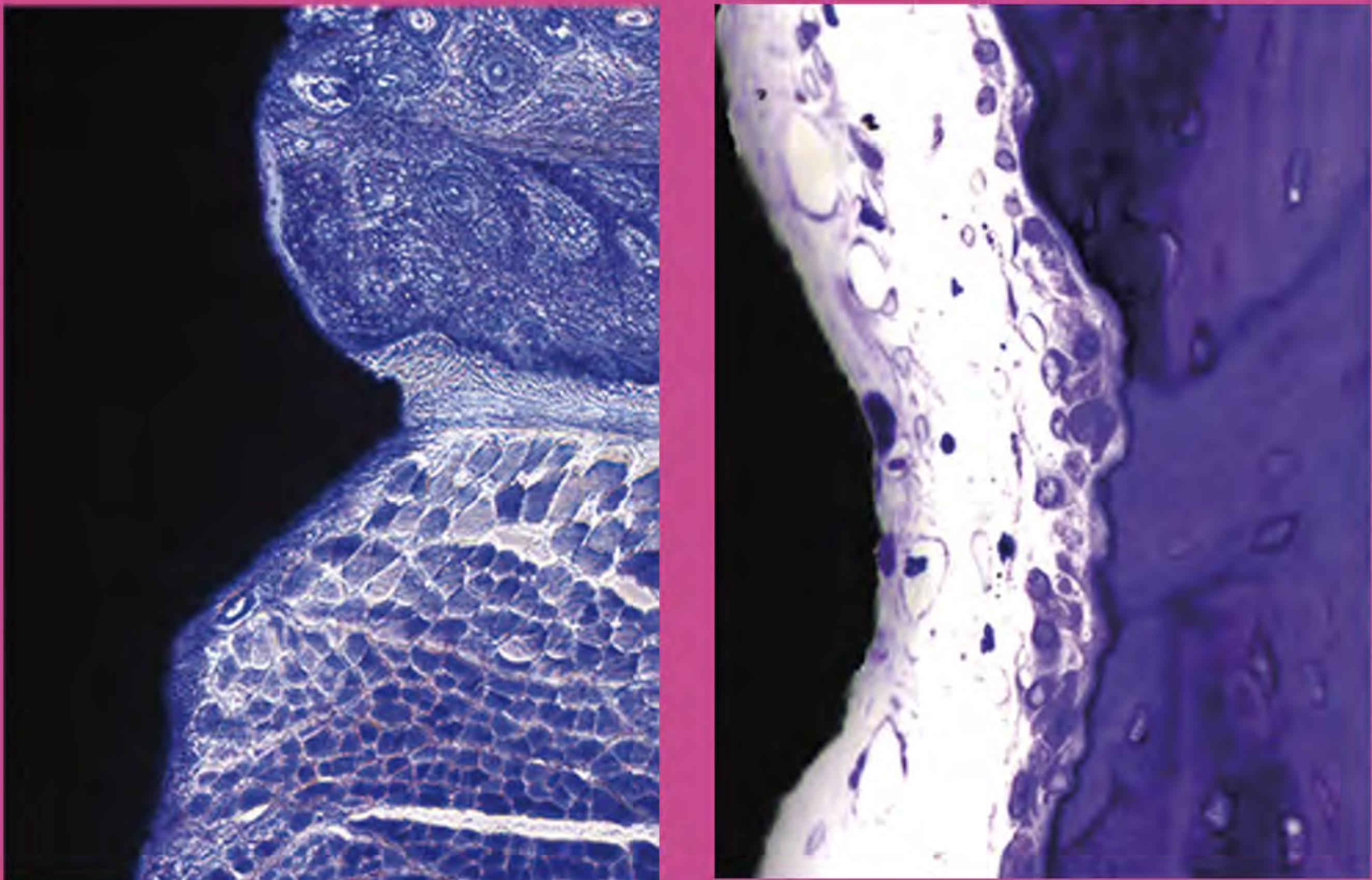
All Spiral® is a state-of-the-art implant of highly pure titanium, with a micro and nano roughness achieved thanks to the most modern treatments of acid etching, with the result of an optimal surface for biocompatibility with osteocytes.



ECKCYTE® Increases the amount of surface that comes into contact with the bone, making the ideal matrix. The surface treatment also provides effective protection against corrosion and high stabilization. It is also absorbent, to accelerate the absorption of fluids on the implant's entire surface. (*)



The surface treatment provides an effective protection against corrosion and a high stability, also providing hydrophilic properties that accelerate the adsorption of fluids throughout the surface of the implant, thus improving the interaction of the biological environment and the implant and its osseointegration capacity. (*)



(*) Mesquita P, Gomes PD, Sampaio P, Juodzbalsys G, Afonso A, Fernandes MH. Surface Properties and Osteoblastic Cytocompatibility of Two Blasted and Acid-Etched Titanium Implant Systems with Distinct Microtopography. J Oral Maxillofac Res 2012 (Jan-Mar);3(1):e4 URL: <http://www.ejor.org/JOMR/archives/2012/1/e4/v3n1e4ht.pdf> doi: 10.5037/jomr.2012.3104.

CONELOCK CONNECTION

All Spiral® implants incorporate Eckermann's exclusive CONELOCK connection, studied and tested over more than 15 years, characterized by its precision and stability of coupling with prosthetic attachments and ensuring the success of any prosthetic solution with total absence of micro-movements



STABILITY, RELIABILITY, ROBUST

The unique CONELOCK prosthetic connection is one of its most outstanding differential features and provides great confidence in stability and maintenance of prosthetic rehabilitations on these implants in the long term.

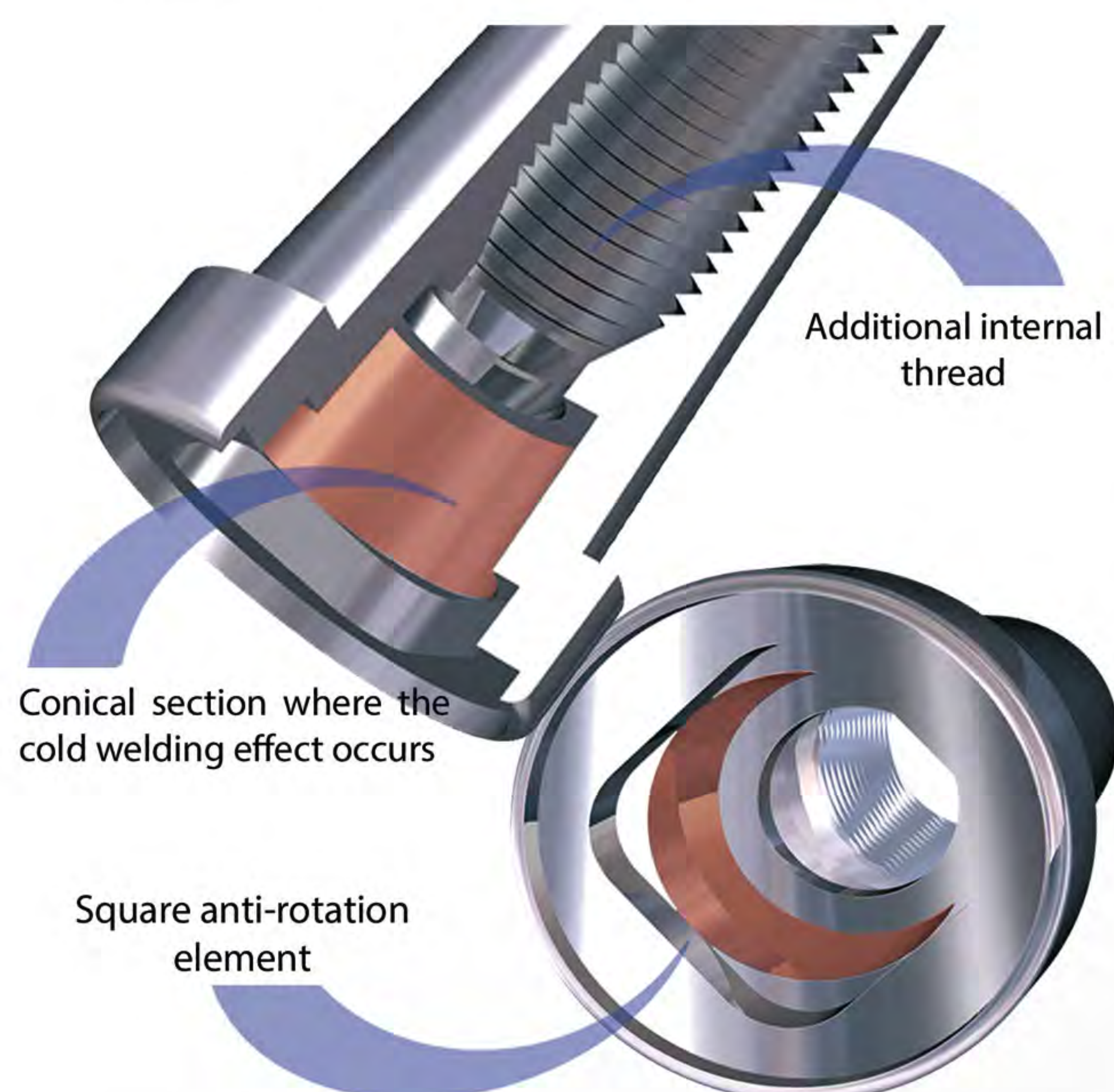
Thanks to the precision of this connection, the implant-pillar assembly has a very robust monoblock behavior, as if there were no connection. In the absence of micromotion, a stable and reliable union is ensured obtaining an optimal transmission of the occlusal loads being, therefore, the closest thing to the behavior of the natural tooth.

BACTERIOLOGICAL SEAL

Eckermann's CONELOCK connection provides a completely hermetic mechanical seal, achieving a perfect implant-pillar seal that, as a barrier, prevents infiltrations of micro-organisms that can cause perimplantitis, bacterial proliferation and unpleasant odors in the patient's mouth.

University studies have verified the total tightness of this prosthetic connection, guaranteeing the absence of bacterial leaks (**)

(**) EStudy for the Evaluation of microfiltration and adjustment in a new concept of implant connection. / Ref.AB-15-DO-06.Dra.Mireia Pato; Dr.Lluís Giner; Dr. Óscar Figueras. International



REVERSIBILITY

CONELOCK® provides a perfect implant-abutment fixation with a reliable and durable monobloc behavior. However, the design of its geometry allows to remove the prosthesis, if necessary, in a simple and uncomplicated manner, which opens a new door to prosthetic solutions, besides a considerable saving of time and costs.

THE DEFINITIVE SOLUTION TO THE PROBLEM OF LOOSENING OF THE JOINT PROSTHETIC SCREWS

The power of the CONELOCK connection lies in a perfect and intimate implant - abutment connection in its conical section, therefore, the problem of the loosening of the joint screws is overcome. The problem does not exist, because, simply the screws are no longer necessary! Only remaining as an optional element for some applications.



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CUSTOMER SUPPORT

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