

OSTE **OX** ENON
FLEX CORTICAL SHEET

DENTISTRY

Flex Cortical Sheets



OSTEOXENON®

FLEX CORTICAL SHEETS

Flex Cortical Sheets

Flex Cortical Sheets (FCS) are deantigenated through the enzymatic process named Zymo-Teck®. This latter is a production process patented by Bioteck spa, based on the use of enzymes and without the use of chemical solvents. With this process, it is able to obtain a heterologous tissue that is perfectly biocompatible, while maintaining unaltered the physical and morphological characteristics of the tissue of origin and the components of the extracellular matrix including bone collagen (type I) in native conformation.

PROPERTIES



Barrier effect
up to 6 months



Maintains
curvature



Well-defined and
homogeneous
thickness



Fits perfectly
with the
geometry
of the defect



Fully remodeled
with the patient's
own bone in
physiological time



ADVANTAGES



PREDICTABLE CLINICAL RESULTS

The high standardization of the product reduces clinical variables.



EASY HANDLING

The parallel path of the bone fibers let to curve the lamina in an optimal manner.



REDUCES THE RISK OF COMPLICATIONS

Avoids the harvesting of autologous tissue and the need of lamina removal.

PRODUCT MANAGEMENT



CURVATURE

The curvature of the sheet must be carried out perpendicularly (dashed line) against fibers' path.



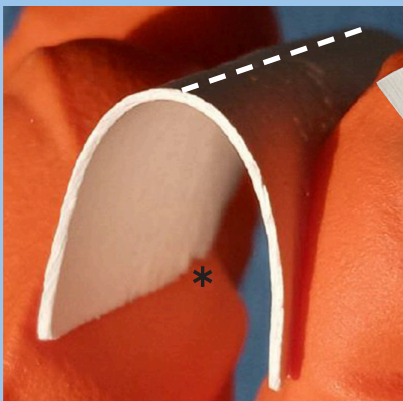
FIXATION

FCS can be fixed with pins or with fibrin glue or similar products

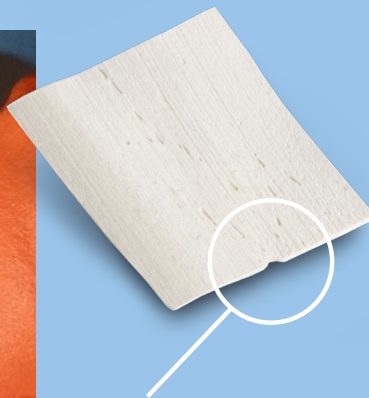


HYDRATION

FCS should be hydrated for a maximum of 10 seconds in sterile saline solution in order to exert their flexibility.



Edited by Rossi et al. Applied Sciences 13(2): 692: 2023



INDENTING SHOWING
BONE FIBERS' PATH

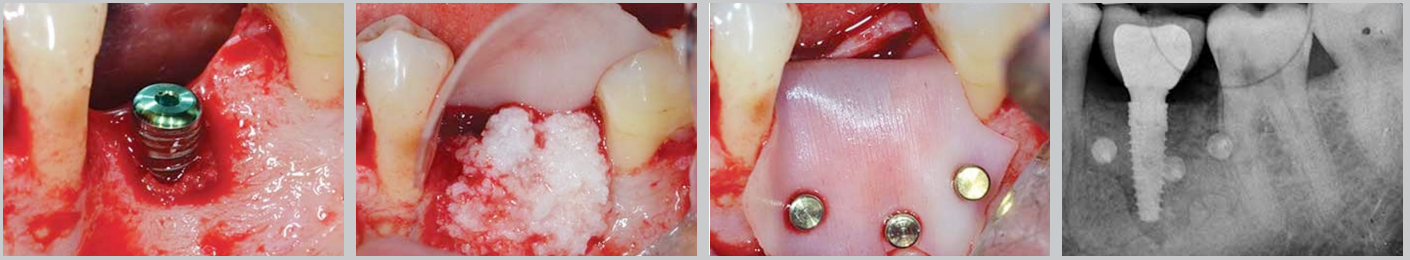


Courtesy of the Dr. Luca Sbricoli, Padova (IT)

Clinical cases

OSP-OX03 peri-implant application

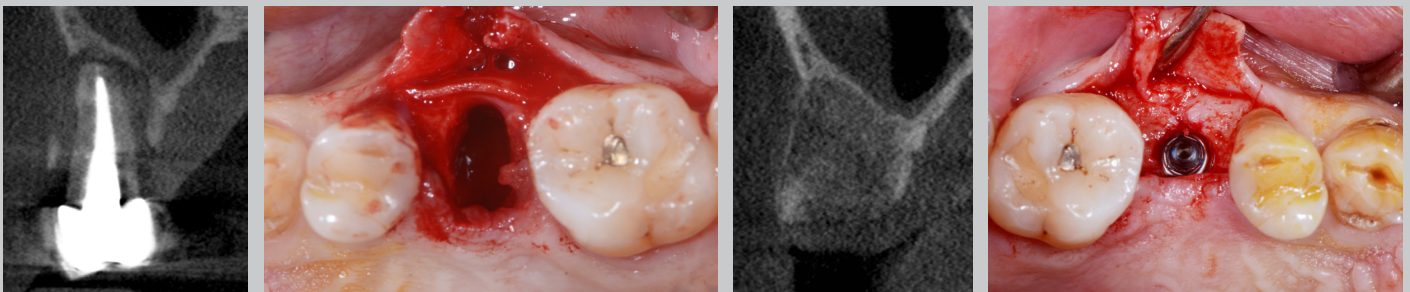
Courtesy of Dr. Giacomo Tarquini, Roma (IT)



TO Peri-implant defect filled with OX granules stabilized with the 0.2 mm FCS Fixation of the FCS to protect the graft 24 months

OSP-OX09 in the socket preservation

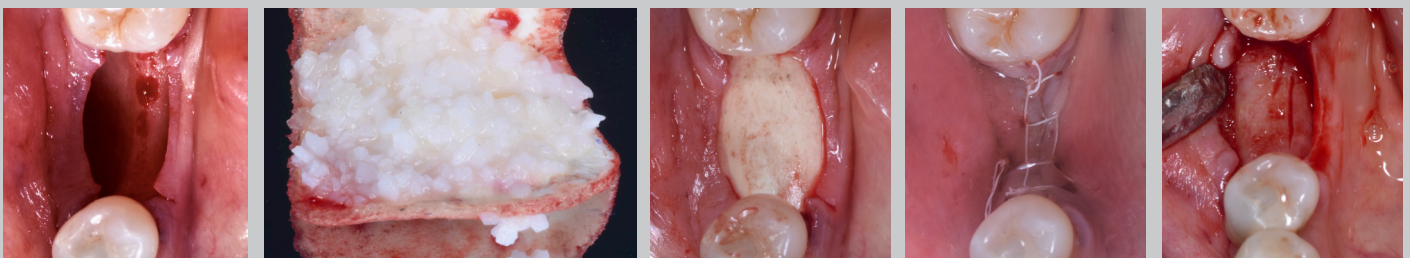
Courtesy of Dr. Andrea Grassi, Reggio Emilia (IT)



TO 0.5 mm FCS glued on the bone wall 4 months Implant placement at 4 months

OSP-OX09 in horizontal GBR

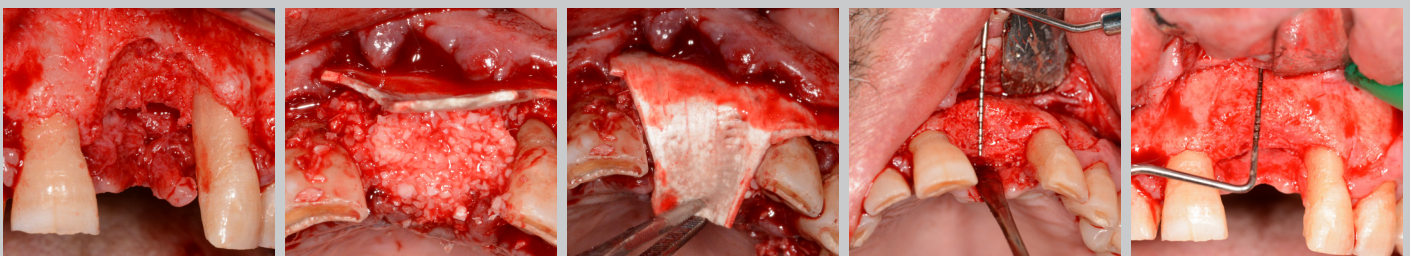
Courtesy of Dr. Roberto Rossi, Genova (IT)



TO 0.5 mm FCS shaped and combined with Osteoxenon® granules Positioned FCS Suturing of the flaps 4 months

OSP-OX08 in complex GBR

Courtesy of Dr. Angelo Comanzo, Avellino (IT)



TO, note the wide horizontal and vertical defect 0.9 mm FCS placed. Defect grafted with Osteoxenon® granules FCS folded to completely cover the graft 6 months 6 months



Go to dynamic literature

THE RANGE OSTE OX[®]ENON

FLEX CORTICAL SHEET



CE 0477



code	size	clinical applications
OSP-OX03	21-25 x 23-27 x 0.2 mm	<ul style="list-style-type: none">• GBR with thin gingival phenotype• Periodontal bone regeneration• Long-term protection membrane
OSP-OX09	21-25 x 23-27 x 0.5 mm	<ul style="list-style-type: none">• Simple GBR, especially horizontal GBR• Volumetric preservation post-extractive sockets
OSP-OX08	21-25 x 23-27 x 0.9 mm	<ul style="list-style-type: none">• Complex GBR (severe atrophies)



BIOTECK®. INNOVATING BIOMATERIALS.

Bioteck® is an Italian company that has been producing bone substitutes, protective membranes and regenerative solutions successfully used in orthopedics, neurosurgery and oro-maxillo facial surgery since 1995.

Scientific research and innovation are the guiding principles that have enabled Bioteck® to patent new production processes and to create unique biomaterials of high quality in terms of performance level and safety guarantees. Materials now used in 72 countries worldwide.

At its multi-functional center for research and development and thanks to state-of-the-art production processes, every day **Bioteck®** works to pursue its key objective: to innovate biomaterials.

WWW.BIOTECK.COM

BIOTECK ACADEMY. SCIENTIFIC COMMUNITY FOR THE CULTURE OF THE CONSCIOUS CHOICE.

Bioteck Academy is the innovative and unique scientific community which promotes the circulation and sharing of knowledge in the field of tissue regeneration applied to dentistry, maxillo-facial surgery, orthopedics and neurosurgery.

Established as a hub for the clinical and scientific expertise focussed on by **Bioteck®** spanning twenty years of research, today it is an entity open to all professionals who decide to join and share their own surgical experience.

WWW.BIOTECKACADEMY.COM



BIOTECK®



Bioteck S.p.A.

Legal and Administrative Headquarters

Via E. Fermi, 49 - 36057
Arcugnano (VI) - Italy
Tel: +39 0444 289366
Fax: +39 0444 285272

Multi-functional Production,

Research and Development Center

Via G. Agnelli, 3 - 10020
Riva presso Chieri (TO) - Italy

Osteoxenon® is distributed by:

