

Bio RIGENERA *O₃ Dental*

**PHYTOTHERAPEUTIC LIPOGEL WITH HIGH PROPERTIES
BIO-REGENERATING AND BIO-REPAIRING**

BIOSTAMINA



The future of Cosmetics
& Medical Devices

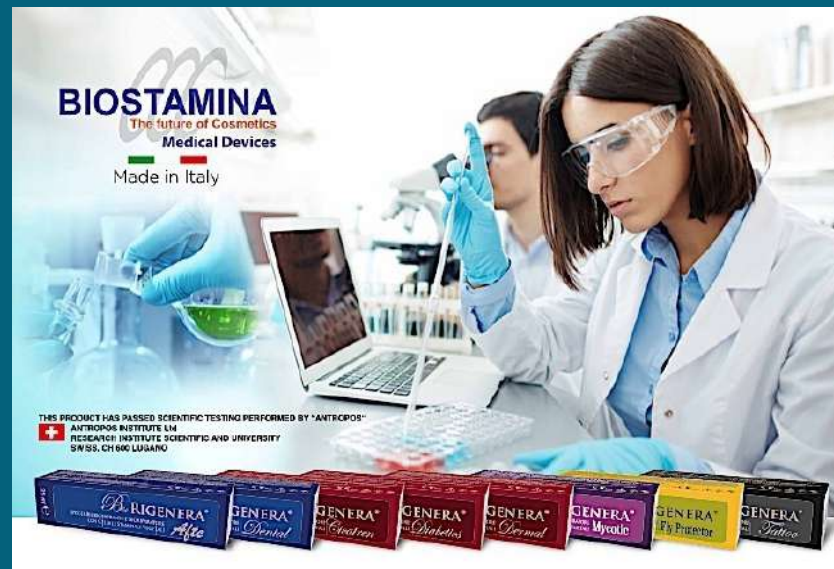
Made in Italy

ABOUT US

BIOSTAMINA® Ltd is a company specialized in the production of phytotherapeutic CE medical devices.

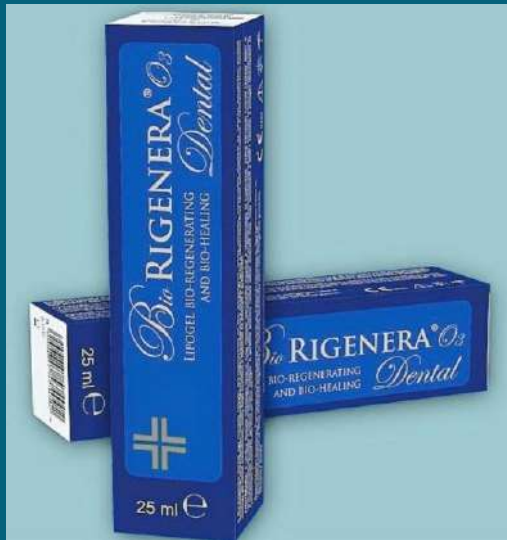
For over twenty years he has been collaborating with the most renowned international doctors in research and technological innovation in the scientific medical field.

BIOSTAMINA® Ltd has specialized laboratories, associated with the most illustrious international scientific researchers, after years of study and research it is the owner of the patents for Tissue and Bone Regeneration.



BIOSTAMINA® Ltd, manufacturer of medicinal phytotherapeutic medical devices, absolutely safe and 100% natural, free of artificial chemical molecules and non-toxic to accidental ingestion.

Bio RIGENERA O₃ Dental



- ✓ Tissue regeneration
- ✓ Antibacterial
- ✓ Anti-inflammatory
- ✓ Reduces oedema
- ✓ Reduces pain
- ✓ Reduces bleeding
- ✓ Significantly reduces the healing time

- 1) Bio RIGENERA® O₃ Dental is an innovative, CE medical device because through the use of a single product, 9 therapeutic benefits are obtained that reduce the healing time, thus avoiding the need to purchase multiple drugs to achieve the same result.
- 2) Defined by doctors as irreplaceable in the routine of daily dentistry, especially in oral surgery avoids any post-surgical complications in the course of healing.
- 3) Bio RIGENERA® O₃ Dental is the formulation of 13 pure essential oils of medicinal plants, enriched with ozone molecules. It is a Lipogel, anhydrous, dense and viscous that adheres and remains on the lesion and is appreciated for its pleasant taste even by pediatric patients.
- 4) Bio RIGENERA® O₃ Dental forms a protective membrane on the lesion creating a humid environment conducive to tissue regeneration, performing an antibacterial, anti-oedema, cytoprotective and natural antibiotic activity, also relieves pain and accelerates tissue regeneration of the mucosa favouring the cellular viability of osteoblasts, fibroblasts and keratinocytes.

DIRECTIONS FOR USE INDICATIONS

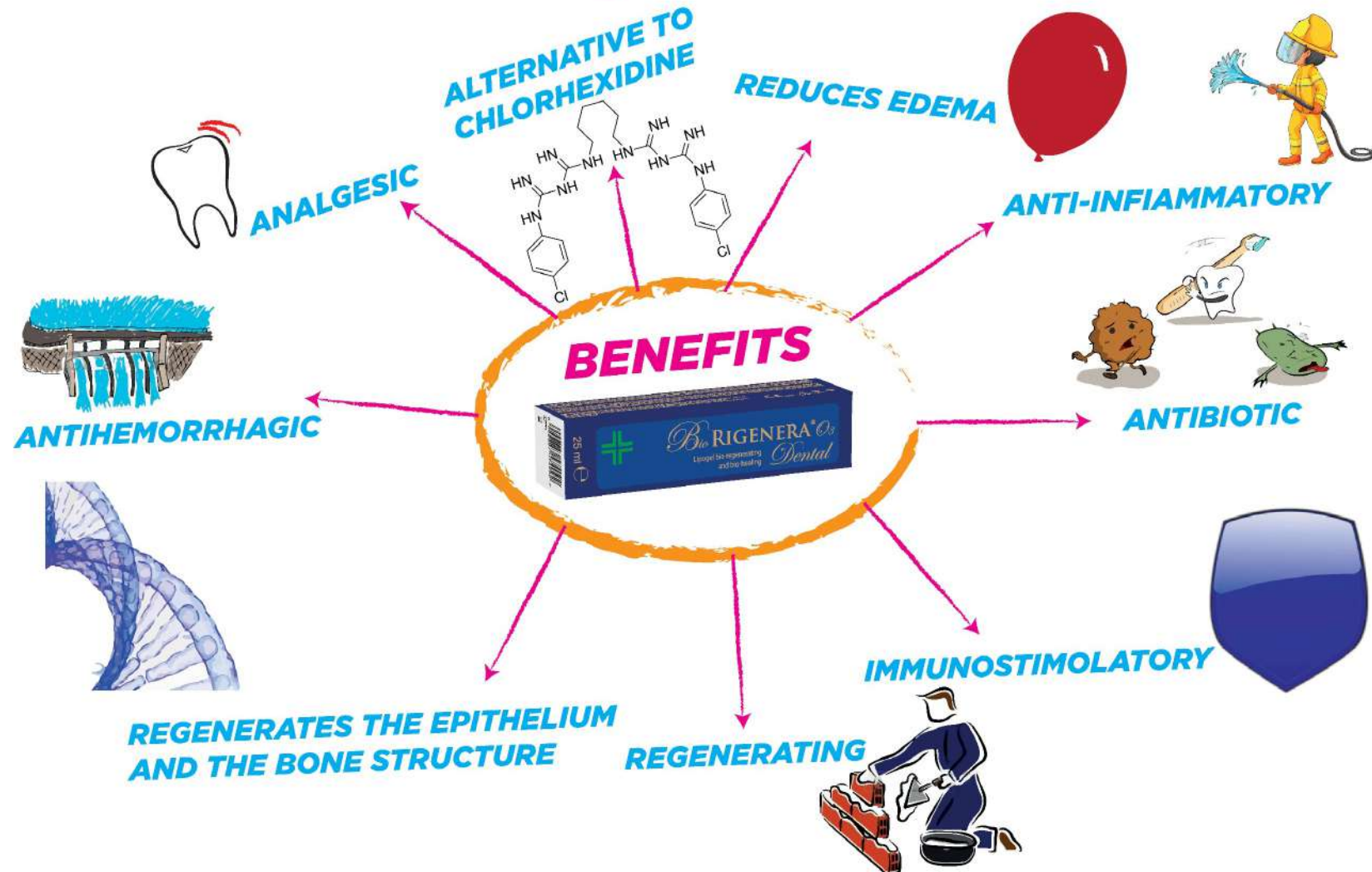
Apply to the area to be treated. Use your fingers or a soft toothbrush and massage for one minute, two or three times a day. After cleaning, wearers of removable dentures should apply a small amount of gingival lipogel to the surfaces that come into contact with the gums. It is recommended that you do not eat food for at least thirty minutes after use.

For professional use: Introduce 2-3 ml of product into a 5 ml sterile syringe, using a needle for a flow composite. Apply the lipogel on the very dry mucosa, until it completely and uniformly covers the wound. It is recommended not to ingest food for at least thirty minutes after treatment.

- Small lesions due to surgical dental interventions
- Gingivitis, parodontitis, periimplantitis
- Minor burns
- Together with the use of prosthetic and orthodontic appliances
- After scaling and oral hygiene interventions
- After extraction simple or complex
- Post-operative pain
- In Lip Herpes Therapy and After

BENEFITS

Bio RIGENERA[®] Dental _{O₃}
THE NEW FRONTIER OF DENTISTRY
9 benefits in a single product
Biological characteristics



DATA SHEET



Bio RIGENERA® O₃ Dental is indicated as an adjunct in the treatment and situations of:

BIO-RIGENERA® O₃ Dental Lipogel Bio Regenerating and Bio Healing

Bio RIGENERA® O₃ Dental, the first 100% natural lipogel, enriched with ozone, relieves pain and promotes healing and tissue regeneration.

In immediate loading implantology, it reduces healing times, pain and post-surgical oedema, promotes scarring and improves the clinical course.

OWNER OF PHYTOTHERAPIC PATENTS FOR TISSUE AND BONE REGENERATION

OZONIZED FORMULATION STUDIED FOR SERIOUS LESIONS OF THE ORAL CAVITY

The ozonization of the essential oils of the medicinal plants contained in Bio RIGENERA® O₃ Dental and the properties of grapefruit seeds, has an antibacterial effect and contribute to quick and correct epithelial tissue regeneration.

- Small lesions due to surgical dental interventions;
- Perimplantitis surgery;
- Ideal to prevent, or lessen post-surgical pain;
- Gingivitis, parodontitis, periimplantitis;
- Together with the use of prosthetic and orthodontic appliances;
- After scaling and oral hygiene interventions;
- After simple and complex extraction;
- In case of minor burns;
- In Lip Herpes Therapy and After;
- Also indicated for diabetic patients

BENEFITS

1. Bio-regenerating and bio-repairing high properties;
2. To be used on the occasion of surgery;
3. Reduces edema, relieves pain and promotes healing;
4. Dense and viscous formula designed to adhere to the mucosa creates a protective microfilm on the lesion isolating it from the external environment and protecting it from infectious, viral and inflammatory processes;
5. Barrier action and hemostasis on bloody wound;
6. It is applied to the oral mucosa injured or affected by pathological processes such as sores and wounds;
7. Stimulates the fast healing and re-epithelialization of the oral mucosa, reducing healing time;
8. The properties of grapefruit seeds and ozone, have an antibacterial effect and contribute to quick and correct gingival regeneration and of the oral mucosa;
9. Natural product with a pleasant taste, non-toxic to accidental Ingestion, as it does not contain petrolatum or chemical substances, but only 100% natural ingredients of medicinal plants.

DIRECTIONS FOR USE: Apply to the area to be treated. Use your fingers or a soft toothbrush and massage for one minute, two or three times a day. After cleaning, wearers of removable dentures should apply a small amount of gingival lipogel to the surfaces that come into contact with the gums. It is recommended that you do not eat food for at least thirty minutes after use.

For professional use: Introduce 2-3 ml of product into a 5 ml sterile syringe, using a needle for a flow composite. Apply the lipogel on the very dry mucosa, until it completely and uniformly covers the wound. It is recommended not to ingest food for at least thirty minutes after treatment.

WARNINGS: Do not use in case of confirmed or suspected hypersensitivity or allergy to one or more components. Pediatric use is not recommended. Avoid contact with eyes; in case of contact rinse it with fresh water. If you experience allergies or other adverse effects, discontinue using it and consult your doctor. Keep out of reach of children. The expiry date refers to the product being intact and properly stored in a dry place. It is recommended to use the product within 12 months from opening. No reported side effects. For the simultaneous use of topical medication, and treatments consult your doctor. Any variations in the product, such as consistency and colour, are to be attributed to the variability of the crop of vegetable ingredients.

Product expiry 3 years from its production and 12 months after its opening Storage temperature: 5/24 °C

Weight: 40 gr.

Box size: 12,01x 3x3 cm.



CASE I: SINUS LIFT AND GROWTH FACTORS

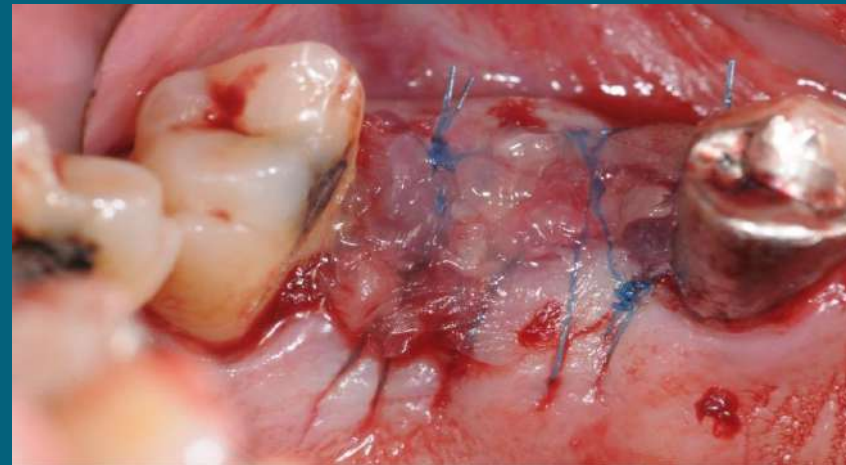
Dr. Maurizio Signorini DDS

**Contract Professor Oral Surgery
Master University of Bari
Odontostomatology**

Bio RIGENERA® O₃ Dental has surprising properties in terms of anti-inflammatory capacity in wounds, as its undoubted antibiotic and anti-inflammatory actions accelerate healing, producing almost total disappearance of postoperative pain.

I consider Bio RIGENERA® O₃ Dental a very useful tool that I could not do without anymore. Personally, it has radically changed my prescriptions and pharmacological doses, allowing me a drastic reduction in medication and the use of the antibiotic as a single dose prophylaxis only.

Time zero: Bio RIGENERA® O₃ Dental application



Healing at 72 hours from the surgery





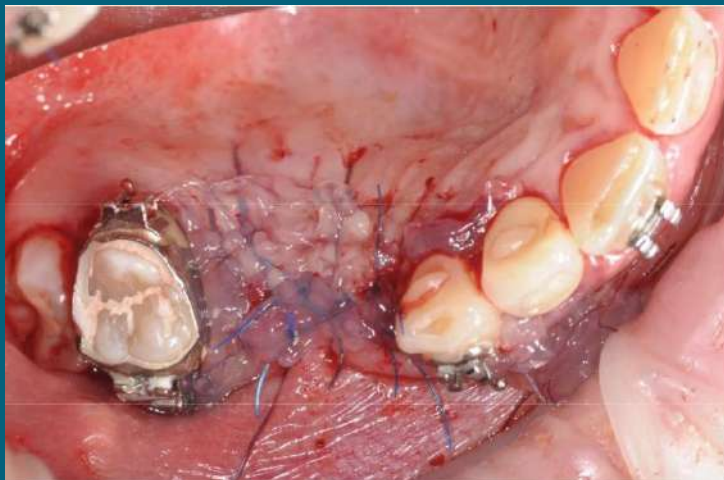
CASE II: RECONSTRUCTIVE MICROSURGERY

3D reconstructive surgery of edentulous maxillary segment by means of porcine bone cortical lamina and cancellous bone graft.

Time zero: Bio RIGENERA® O₃ Dental application



Status at 72 hours after surgery



Healing at 8 days after surgery



CASE III: INTERVENTION ON GINGIVAL DECUBITUS ULCERS

Time zero: Bio RIGENERA® O₃ Dental application



Status after 24 hours





Maurizio Signorini



Dr. Prof. Maurizio Signorini
Medical Dentistry
Dental Office Barbania (Torino - Italy)



BIOSTAMINA
The future of Cosmetics
& Medical Devices
Made in Italy

MICROSCOPIC
Dental Club
GOLD



Dr. Andrea Possenti
Biostamina Consultant

Head of research department dental.
1988 degree in Medicine and Surgery at the University of Rome LA SAPIENZA.
1991 specialist in dentistry and dentistry school of specialisation in prosthetics II.
Speaker at various national and international conferences on topics of Posturology and Occlusion, Oral Hygiene, Immunology, Phytotherapy in Dentistry. From 1994 to 1997 scientific collaboration with Oasis, for the development of new therapies phytotherapy applied to dentistry and pharmacy.

CASE I: SEVERE GINGIVAL RECESSION

Time zero: Bio RIGENERA® O₃ Dental application



Healing at 72 hours from the surgery



CASE II: ULCER-NECROTIZING GINGIVITIS IN ALLERGIC PATIENT CONVENTIONAL THERAPIES

Time zero: Bio RIGENERA® O₃ Dental application



Healing after one week



CASE III: SUB-GINGIVAL CARIOUS LESION

Time zero: Bio RIGENERA® O₃ Dental application



Healing after one week



Professional use mode

CASE IV: Bone and tissue regeneration of an implant post-extraction after one week

The infection of a post-extraction site can determine the slowdown or, in the most severe cases, the arrest of healing with the establishment of a picture of alveolitis. Chlorhexidine, applied locally in the form of mouthwash or gel, is perhaps the most widely used antibacterial agent in clinical practice.

Prolonged use of chlorhexidine is associated with the appearance of pigmentation on the residual teeth and restorations, xerostomia and ulcerations of the oral mucosa.

Furthermore, it can slow down the healing processes as it exerts an inhibitory action on cell division and protein synthesis; this action appears more evident in wounds involving bone tissue than in those involving only soft tissue. Currently, a phytotherapeutic gel for dental use has been developed Bio Rigenera® Dental O₃ whose composition sees the coexistence of active ingredients extracted from about thirteen different medicines plants, enriched with ozone. The compound has an antimicrobial and anti-inflammatory action but, unlike other products, it has stimulating properties towards the progenitor cells of connective tissues, in particular bone tissue and epithelial tissue.

The aim of this work is to evaluate the appearance of postoperative complications in two groups of patients undergoing implants post extractions, treated with 0.2% chlorhexidine vs. Bio Rigenera® Dental O₃.

The present study shows that the use of phytotherapeutic gel has produced, compared to the use of chlorhexidine, a reduction both in postoperative pain reported by patients, and in complications related to post-implant site infection and **rapid tissue healing and bone regeneration.**



Before and after the extraction



Implant insertion 16 and dressing

Bio Rigenera® O₃ Dental



Healing after 7 days

Thanks to its particular formulation composed of essential oils and enriched with ozone, has an action of enhancing tissue repair and forms a protective film on the lesion, contributing to a fast and correct re-epithelialization of the gums and the mucous membrane of the oral cavity, adheres to the mucous and produces a barrier effect which helps to relieve pain and promotes healing.

BIOSTAMINA KFT OWNER OF PHYTOTHERAPIC PATENTS FOR TISSUE AND BONE REGENERATION

* In vitro scientific tests conducted on Bio Rigenera® Dental certifies that the product, with its barrier effect, determines a significant increase in cell viability within 48/72 hours, therefore, regenerating activities of osteoblasts and keratinocytes.

The properties of grapefruit seeds and ozone, have antibacterial effect and contribute to quick and correct gingival regeneration and of the oral mucosa.



PRODUCT TESTED BY
"ANTROPOS SA" SCIENTIFIC
AND UNIVERSITY RESEARCH
INSTITUTE SWISS. CH 6900
LUGANO

Bio Rigenera® O₃ Dental Lipogel

Bio-Regenerating and Bio-Repairing

PHYTOTHERAPY: Plant oils can stimulate the cells present in our body, and while they are not losing their regenerating and repairing potential, with the passing of time they slow down in their function of renewal. The properties of essential oils consist in reducing the formation of MMP₁, enzymes responsible for the degradation of collagen and for the inflammation of the oral cavity and mucosa

MAIN BIOLOGICAL ACTIONS:

- high Bio-regenerating and Bio-repairing properties to be used during surgery.
- reduces edema, relieves pain and promotes the healing
- thick and viscous formula designed to adhere to the mucosa, creating a micro film protective over the lesion by protecting it from infectious, viral and inflammatory processes.
- barrier action and haemostasis on the wound bleeding.
- it is applied on the mucosa affected by pathological processes, such as canker sores, wounds and who have injured the oral mucosa.
- stimulates fast healing and re-epithelialization of the oral mucosa reducing healing times.
- the properties of grapefruit seeds and ozone have an antibacterial action contributing to a fast and correct gingival and mucous membrane regeneration of the oral cavity.
- natural product non-toxic in case of accidental ingestion, as it does not contain petrolatum or chemicals, but only 100% natural plant ingredients medicine.



Before extraction and after implant insertion 1.6



Bone regeneration one week after extraction

Bio RIGENERA® O₃ Dental is indicated as an adjunct in the treatment and situations of:

- small lesions due to surgical dental interventions;
- irritated and bleeding gums;
- periimplantitis surgery;
- ideal to prevent, or lessen post-operative pain;
- after the use of prosthetic and dental equipment;
- gingivitis, parodontitis, periimplantitis;
- together with the use of prosthetic and orthodontic appliances;
- after scaling and oral hygiene interventions;
- after simple and complex extraction;
- in case of minor burns and Afte;
- in Lip Herpes Therapy;
- ideal for oral infections;
- ideal for the pathologies of the oral mucosa;
- also indicated for diabetic patients.

DIRECTIONS FOR USE

Apply to the area to be treated. Use your fingers or a soft toothbrush and massage for one minute, two or three times a day. After cleaning, wearers of removable dentures should apply a small amount of gingival lipogel to the surfaces that come into contact with the gums. It is recommended not to ingest food for at least thirty minutes after treatment.

Bio RIGENERA® O₃ Dental



**Biostamina®, owner of patents for
tissue and bone regeneration**

**High Bio-regenerating and
Bio-repairing properties, indicated in
difficult lesions of the oral cavity,
after post-surgical treatments,
implant and peri-implant surgery.
Promotes rapid tissue regeneration.**

For more information:
www.biorigeneradental.com

**Innovative 100% natural gingival
lipogel enriched with ozone.
Properties: natural antibiotics,
anti-inflammatory, anti-edema and
pain relievers.**



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