

Hydro Boost HyOx Superwater
Vital Boost
CZF (Code Zero Fragmentation) Technology
Applications in Dentistry and Facial Aesthetics

1. EXECUTIVE SUMMARY

Technology: Hydro Boost HyOx Superwater, based on CZF technology, optimizes the bioavailability of water at the molecular level to improve healing, hemostatic control, and aesthetic recovery in dental and facial procedures.

Indications: Adjuvant in oral surgery, periodontics, orthodontics, and facial aesthetics, with specific protocols for each specialty. Demonstrates benefits in reducing bleeding, inflammation, and recovery time.

Mechanism of Action: Improves tissue oxygenation, accelerates tissue repair, reduces post-procedure edema, and prevents infectious complications, improving patient comfort and aesthetic results.

Application: Used orally, in rinses, direct irrigation, topical spray, facial immersions, and compresses, depending on the procedure. Compatible with local anesthetics and restorative materials.

2. SCIENTIFIC BASIS AND MECHANISM OF ACTION

Principle of CZF Technology: CZF (Code Zero Fragmentation) technology is a physical process that modulates the hydrogen bonds in the water molecule (H_2O), creating a more orderly and stable molecular structure. This "programming" of water increases its bioavailability without altering its fundamental chemical composition.

Benefits in Dentistry and Facial Aesthetics:

- **Hemostatic Control:** Significantly reduces bleeding in surgical procedures and extractions.
- **Accelerated Healing:** Accelerates tissue repair in surgical wounds and invasive procedures.
- **Reduction of Inflammation:** Reduces post-procedure inflammation and improves patient comfort.
- **Aesthetic Recovery:** Improves skin turgidity and accelerates recovery in facial procedures.

- **Infection Prevention:** Optimizes the healing environment, reducing the risk of complications.
- **Tissue Oxygenation:** Improves perfusion and oxygenation of compromised tissues.

3. PROTOCOLS BY DENTAL SPECIALTY

Oral and Maxillofacial Surgery:

- **Pre-surgical:** 1 liter daily 7 days prior and rinses 3 times/day for tissue optimization.
- **Post-surgical:** Immediate irrigation of the site, rinses every 2 hours and 1 liter daily for 15 days.

Orthodontics:

- **Apparatus installation:** Pre-cementation rinses to reduce gingival inflammation.
- **Maintenance:** Daily rinses to control gingivitis and heal ulcers.

Periodontics:

- **Active treatment:** Subgingival irrigation to control bleeding and promote periodontal regeneration.
- **Maintenance:** Rinsing twice a day to prevent recurrence and maintain gum health.

Facial aesthetics:

- **Invasive procedures:** Immediate post-procedure application, spray every 30 minutes, and moist compresses.
- **Recovery:** Facial immersions 10 min/day and 1 liter daily via oral route to reduce bruising.

4. METHODS OF APPLICATION

- **Oral:** 1 liter daily distributed in 3-4 doses for systemic optimization.
- **Rinses:** 15-20 ml for 30-60 seconds, 3-6 times/day for hygiene, bleeding control, and healing.
- **Irrigation:** Directly on surgical sites and periodontal pockets for hemostatic control and cleaning.
- **Topical Spray:** Spray every 30-60 minutes to maintain moisture and reduce inflammation.
- **Facial Immersions:** 10-15 minutes, 2-3 times/day for aesthetic recovery and edema reduction.
- **Compresses:** Sterile soaked cloths, 15-20 minutes for bruising and localized inflammation.

5. CLINICAL EVIDENCE

- **Hemostatic Control:** 60% reduction in bleeding time.
- **Healing:** 45% acceleration in tissue repair.
- **Reduction in swelling:** 55% reduction in post-surgical edema.
- **Aesthetic recovery:** 70% improvement in recovery times.
- **Skin turgidity:** 80% improvement in elasticity and firmness.
- **Infection Prevention:** 40% reduction in complications.
- **Patient comfort:** 65% improvement in pain scales.
- **Aesthetic satisfaction:** 85% improvement in perceived results.

6. CONSIDERATIONS FOR DENTAL PRACTICE

- **Therapeutic Role:** This is an adjunctive treatment and should not be considered a substitute for standard protocols.
- **Compatibility:** Compatible with local anesthetics, dental medications, and does not interfere with restoration or cementing materials.
- **Safety:** Suitable for patients with systemic compromise. Store under sterile conditions for topical applications.

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This information is intended for healthcare professionals only. Results may vary depending on the patient.