EXTRACT
SHIELD
REGENERATE

THE
ULTIMATE SOLUTION
for **bone defects** and
bridge aesthetics

NOVA**Mag**®
SHIELD

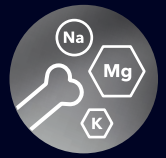
MAGNESIUM

Up to 60% of all the magnesium in the body is stored within our bones. Magnesium plays a key role in bone homeostasis, hydroxyapatite crystal growth, and bone-cell function.

strong and **resorbable**

Magnesium metal is ideal for regenerative surgeries, offering mechanical stability, reliable degradation, and full bioavailability. Its products don't require extraction, reducing surgeries, invasiveness, and chair time.

Promotes **bone remodeling** [1-3]



Boosts **bone mineralization** [1-4]

Accelerates **tissue repair** [2-4]

Enhances **blood supply** [2-4]

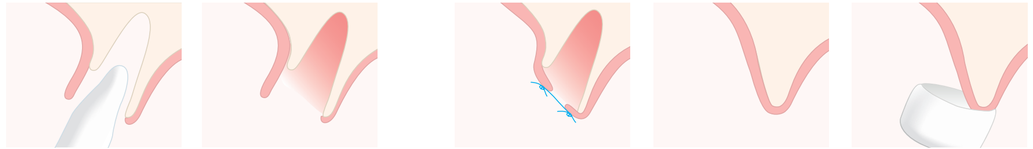
[1] Jing, X. et al. 2021. Magnesium-based materials in orthopaedics: material properties and animal models. Biomaterials translational, 2(3), 197–213.

[2] H.-S. Han et al. 2020. Biodegradable Magnesium Alloys Promote Angio-Osteogenesis to Enhance Bone Repair. Adv. Sci. 2020, 7, 2000800.

[3] Al Alawi, A. M. et al. 2018. Magnesium and Human Health: Perspectives and Research Directions. International journal of endocrinology, 2018, 9041694.

[4] Liu, L. et al. 2024. Magnesium promotes vascularization and osseointegration in diabetic states. Int J Oral Sci 16, 10.

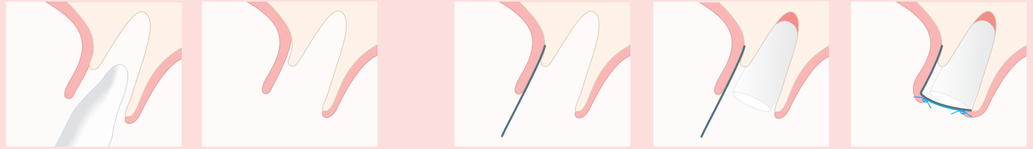
GOLD STANDARD STEP-BY-STEP *



Extraction | Closing wound | After healing | Bridge

just **SHIELD** it!

The solution for post-extraction.



Extraction | Soft tissue detachment | Placement of NOVA**Mag**® **SHIELD** between the bone and soft tissue | Placement of collacone® | Soft tissue suturing

* Chappuis V, Araújo MG, Buser D. Clinical relevance of dimensional bone and soft tissue alterations post-extraction in esthetic sites. Periodontol 2000. 2017 Feb;73(1):73-83. doi: 10.1111/prd.12167. PMID: 28000281.

SHIELD YOUR SMILE!

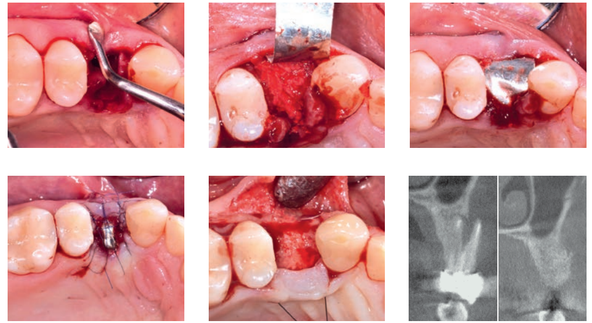
Lack of bone support in the buccal and palatal region after tooth extraction accelerates bone resorption, increasing the risk of complications for future restorations. The Shield Technique with the fully resorbable magensium NOVA**Mag**® **SHIELD** not only simplifies the treatment of tooth extraction defects but also **preserves bone volume**, creating a **stable foundation** for long-term prosthetic success. Magnesium actively **supports bone growth** and **mineralization**, ensuring optimal healing and regeneration.

Volume stable | **Completely resorbable** | **Reduced invasiveness**

Resorption of NOVA**Mag**® **SHIELD** | Healing | Bridge restoration

CLINICAL CASE

by Dr. Marko Blašković (HRV)



Before | After

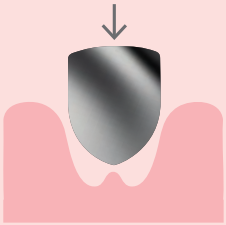
NOVAMag® SHIELD

XS **10 x 20 mm**

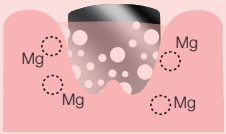
The ideal choice for dental recovery

tailored for post-extraction care.

EXTRACT



SHIELD



REGENERATE

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