vVARDIS
SWITZERLAND

BIOMIMETIC DENTAL SCIENCE

Up to 95% of your patients can develop white spot lesions[1,2]
Even as early as 1 month after bonding[3]

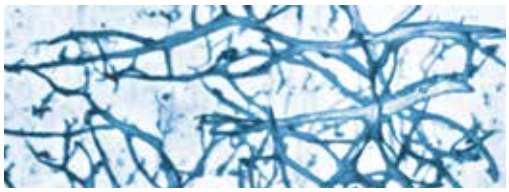
Protect their smile. No more white spots during orthodontic treatments.

Discover the vVARDIS System for white spots lesion and caries management during orthodontic and aligner treatments.

- Superior to fluoride varnishes alone[5,10]
- Non-invasive
- Pain-free
- Easy, fast application
- Patented, biomimetic technology
- Clinically proven in over 200 publications
- Applicable by all dental professionals
- Recommended by dentists
- Made in Switzerland

SWISS MADE

professional.vvardis.com



The Patented, Biomimetic vVARDIS Technology

The vVARDIS technology is based on the science of peptides. The peptide, made of naturally occuring amino acids, can self-assemble into a biomimetic matrix with a high affinity to hydroxyapatite. Like no other technology, the matrix then regenerates enamel to the depth of early carious lesions using calcium and phosphate ions from the saliva. It also acts on the tooth surface.

The vVARDIS System for caries and white spot lesion (WSL) management

TREAT with Curodont™ Repair

Ortho patients with brackets in situ

Aligner patients at any stage of treatment

In-office only. Easy and pain-free application within 8-10 minutes.

Curodont™ Repair offers the only non-invasive WSL treatment with brackets in place

- Treats WSLs by regenerating the enamel to the depth of the lesion.[4]
- 86% to 100% of WSLs are arrested and reversed[5–8] - superior to fluoride varnishes alone (35%).[5]
- Fluoride free - does not interfere with the bonding.[9]
- No need to wait until debonding.
- Suitable for all ages.

t = 0 min
Active carious lesion with a pseudo-intact enamel surface

t = 5 min
Individual peptides diffuse until the depth of early carious lesions

t = 5 min
The peptides assemble into a matrix

t = 3 months
The peptide attracts calcium and phosphate from saliva to create **new hydroxyapatite crystals**

PROTECT & MAINTAIN with Curodont™ Protect

At appliance placement

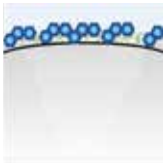
As needed, ideally at every recall

During treatment

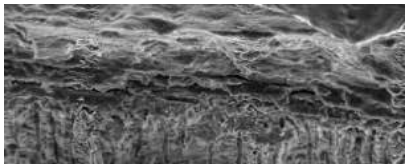
In-office and home use. 2x/week around brackets and on the teeth.

Curodont™ Protect shields from the formation of WSLs and remineralizes enamel better than fluoride varnish[10]

- Additionally enriched with calcium, phosphate and fluoride.
- Forms a stable mineral-rich protective layer on the tooth surface.
- Protects from the progress of early caries around orthodontic brackets.[10]
- Strengthens and hardens enamel better than competing products.*,[11]
- For all patients 6+.



Application of the gel lays down a stable, adherent, protective, mineral-rich peptide layer on enamel



Sectional image of peptide layers deposited on the tooth surface[12] (SEM)

1. Richter AE et al. J Dent Res 88(Spec Iss A): Abstract Miami meeting, 2009 / 2. Lovrov S et al. J Orofac Orthop. 2007;68:353-63. / 3. Gorton J, Featherstone JDB. Am J Orthod Dentofacial Orthop 2003; 123:10-14. / 4. Schmidlin, P et al. J Appl Oral Sci 2016;24:31-36 / 5. Alkilzy, M. et al. J Dent Res 2018;97:148 / 6. Bröseler F, et al. Clin Oral Investig. 2020;24:123-132 / 7. Sedlakova Kondelova P. et al. Sci Rep 2020;10:20211 / 8. Welk A et al. Scientific Rep 2020;10:6819 / 9. Knaup T et al. J Orofac Orthop. 2021;82:329-336. / 10. Jablonski-Momeni et al. Sci Rep 2019;9:269 / 11. Soares et al. Clin Diagn Res 2017;11:ZC136-ZC141 / 12. Hill R et al. J Dent Maxillofacial Res 2020;3:1-11

*CPP-ACPF, Bioactive Glass, Fluoride enhanced Hydroxyapatite Gel