**Press Release**

Support, replenish and protect with the stroke of a brush

**New study proves that MI Varnish has additional caries-preventive effects compared to standard fluoride varnishes**

**The caries-preventive effect of topical fluoride is generally acknowledged in the dental community. However, differences exists between products. Researchers at the University of Aachen have analysed the caries-preventive effect of four different varnishes in different circumstances in an elaborative study. Their results, published in the distinguished journal ‘Caries Research’, show that the addition of casein phosphopeptide-amorphous calcium phosphate (CPP-ACP) in MI Varnish provides stronger remineralisation potential that especially high-caries-risk patients can benefit from.**

The effects of four fluoride varnishes on sound dentine surfaces as well as on artificial dentine caries lesions under net-demineralizing conditions were compared: a standard varnish containing a high concentration of NaF, a varnish with NaF and tricalcium phosphate, MI varnish (GC), which contains additional CPP-ACP complexes, and silver diamine fluoride. In the study, all fluoride varnishes significantly prevented further mineral loss on sound surfaces as well as on artificial caries lesions compared to the negative control. However, only MI Varnish and silver diamine fluoride actually remineralised artificial caries-like dentin lesions under net-demineralizing conditions. The neutral shade and absence of discolouration with MI Varnish is an additional advantage that will be appreciated by most patients.

**GC’s commitment to evidence-based dentistry.**

At GC, substantial effort is put into research and development with the objective of constant improvement and to adapt our products to the needs of the community. The incorporation of CPP-ACP is one example of return on this continuous investment. In our ageing population, exposed root surfaces pose an increased risk factor for caries development. This study proves that MI Varnish does not only prevent dentine demineralisation, but it also stops and reverses its effects.

For more information about MI varnish, please visit <https://www.gceurope.com/products/mivarnish/>

Do you want to find out more about MI Dentistry? You can download the comprehensive guide, composed by the MI Advisory board here:

<https://www.gceurope.com/products/mivarnish/#downloads>

Source: Wierichs RJ, Stausberg S, Lausch J, Meyer-Lueckel H, Esteves-Oliveira M. Caries-Preventive Effect of NaF, NaF plus TCP, NaF plus CPP-ACP, and SDF Varnishes on Sound Dentin and Artificial Dentin Caries in vitro. Caries Res. 2018 Jan 17;52(3):199-211. doi: 10.1159/000484483.

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