

MI Varnish™, the only fluoride varnish with RECALDENT™ (CPP-ACP) technology

MI Varnish™ is a 5% sodium fluoride varnish enhanced with 2% RECALDENT™ (CPP-ACP) to give exceptional fluoride varnish that releases more bioavailable calcium and phosphate ions than any other fluoride varnish.

MI Varnish™ can prevent hypersensitivity in various clinical situations:



Cervical areas
Source: Prof Ivana Miletic, Croatia



After professional mechanical tooth cleaning
Source: Prof Ivana Miletic, Croatia



Occlusal wear
Source: José Zalba, Spain



MIH
Source: Patricia Gatón, Spain

Dry mouth patient with hypersensitivity



Clinical status prior to MI Varnish™ application



The exposed root surfaces were coated with MI Varnish™ to provide some immediate relief from the sensitivity and assist with the ongoing desensitisation of these exposed dentine surfaces.

Prof. Ian Meyers

GC's UNIQUE PROTECTION SYSTEM

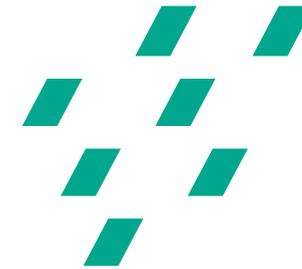
A vision of the future

As our understanding of caries disease and management improves, so is dentistry moving towards the Minimum Intervention approach. Within a few years, surgical restoration of caries may be the last course of treatment rather than the first. With the emphasis on identification and prevention, and the caring 'dentist-patient' relationship this tends to foster, more patients should be attracted to the practice. Patients are happy to undergo regular tests and simple preventive procedures against caries rather than face frequent surgical intervention. Indeed, caries prevention rather than surgical intervention may become a major income stream in the future.

IN OFFICE



AT HOME



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Prevent

Preventing caries from advancing is possible, if a patient is willing to change his habits. Diet and tooth-brushing must be optimized to be effective in caries prevention. In practice, active preventive treatments aims at reducing the caries risk factors and promoting remineralisation. Very effective are a combination of professional mechanical tooth cleaning, antibacterial drugs, a healthy diet and medicaments to promote remineralisation.

GC Tooth Mousse is a delicious tasting creme that is beneficial for teeth. It contains calcium and phosphate, the major minerals teeth are made up. These minerals are carried in a special milk-derived protein known as RECALDENT™ (CPP-ACP).

GC Tooth Mousse helps protect the teeth aiding the replacement of calcium and phosphate minerals lost during regular acid attack after eating and drinking.



GC Tooth Mousse Plus contains RECALDENT™ but with additional Fluoride (CPP-ACPF). The role of fluoride in strengthening and protecting teeth has long been understood. Controlled fluoride uptake into teeth helps to promote a stronger and more acid resistant tooth structure.

The level of fluoride in Tooth Mousse Plus is 0.2%, or 900ppm a level just below that found in normal adult toothpastes (1000ppm). This provides greater anti-caries protection to the teeth.

Available in 5 different flavors: Strawberry, Vanilla, Melon, Mint and Tutti Frutti

Available in 3 different flavors: Strawberry, Vanilla and Mint

Clinically proven to be effective!



Immediately after orthodontic bracket removal



Three months after daily treatment of GC Tooth Mousse, the lesions are less noticeable and appearance improved

Dr. H. Hayashi

Tooth Mousse Plus is recommended for patients above 6 years old.

Both Tooth Mousse and Tooth Mousse Plus should not be used by anyone with milk protein allergies or sensitivity to benzoate preservatives.



Pre-treatment photo showing mild fluorosis with opacities



After four weeks of nightly application of GC Tooth Mousse, the enamel shows normal optical appearance

Prof. Laurie Walsh



GC Tooth Mousse Plus contains 10% RECALDENT™ (CPP-ACP) and 900ppm fluoride in a formulation designed to deliver CPP-ACPF (casein phosphopeptide amorphous calcium phosphate fluoride) to the tooth surface

Protect & Restore

WHY A GLASS IONOMER FOR PROTECTION AND STABILIZATION?

As our understanding of the caries process grows, new techniques and strategies for the prevention and control of caries are being more widely practiced. A purpose designed glass ionomer is needed for these new applications:

Protection of erupting molars.

Increasing rates of childhood decay has lead to a greater demand for preventive intervention solutions that can be placed during the prolonged eruption phase when the occlusal surfaces of permanent molars are at most risk of decay.



Dr. J Lucas

Protection of exposed root surfaces.

Demographic trends describe a rapidly increasing elderly population with more retained teeth. Unfortunately these patients are often at higher risk of dental disease and exposed root surfaces in these patients require additional protection.



Dr. H Ngo

Caries stabilization and internal remineralization of active lesions.

An effective seal via a high fluoride releasing glass ionomer is essential to the success of these minimally invasive techniques.



Dr. H Ngo

Restoration of micro-cavities.

A flowable glass ionomer is needed for ultra small cavities.



Dr. G Millich

GC Fuji VII – PURPOSE DESIGNED

GC Fuji VII is designed as a high fluoride-releasing strontium-based glass ionomer with a free-flowing consistency to ensure effective wetting and intimate adhesion to tooth surfaces. The fine fluoroaluminosilicate glass filler allows a smooth surface finish and the incorporation of strontium in the glass provides radiopacity, enhanced remineralization capabilities and a sharp snap set. The setting characteristics can be further accelerated by use of a halogen light curing device for 20-40 seconds (pink shade only).

GC Fuji VII

Other Indications

- Temporary endodontic sealing material
- Cementation of stainless steel crowns
- Lining under composites or amalgam
- To induce internal remineralisation
- Intermediate restorations

PHYSICAL PROPERTIES

Powder/Liquid Ratio (g/g)	0.30/0.15	
Net Volume (ml)	0.15	
Working Time	1'40"	
Setting Time	Without Light Irradiation	2'30"
	With Light Irradiation	20"-40"
Water Sensitivity	Without Light Irradiation	3'00"
	With Light Irradiation	2'00"
Compressive Strength (Mpa)	After 1 Hour	100
	After 1 Day	159
	After 7 Days	171
Adhesive Strength (Mpa After 1 Day)	Bovine Enamel	7.0
	Bovine Dentin	6.0
Surface Hardness (Hv)	After 1 Hour	26
	After 1 Day	39
	After 7 Days	48
Radiopacity (mm)	2.4	
Fluoride Release microgram/cm ²	After 1 Day	197

* Halogen light curing device