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: Jose Zalba, Spain
- **MIH**
  Source: Patricia Gaton, Spain
- **Dry mouth patient with hypersensitivity**
  Source: Patricia Gaton, Spain

**IN OFFICE**

**AT HOME**

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

**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.

**MI Varnish™**, the only 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
- After professional mechanical tooth cleaning
- Occlusal wear
- MIH
- Dry mouth patient with hypersensitivity

**MI Varnish™** is a 5% sodium fluoride varnish enhanced with 2% RECALDENT™ (CPP-ACP) technology 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
- After professional mechanical tooth cleaning
- Occlusal wear
- MIH
- Dry mouth patient with hypersensitivity

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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 aim 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 medicines to promote remineralisation.

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 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.

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.

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.

Restoration of micro-cavities.

A flowable glass ionomer is needed for ultra small cavities.

Physico-chemical properties of GC Fuji VII

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Powder/Liquid Ratio (g/ml)</th>
<th>Net Volume (ml)</th>
<th>Working Time (s)</th>
<th>Setting Time Without Light Irradiation (s)</th>
<th>With Light Irradiation* (s)</th>
<th>Water Sensitivity Without Light Irradiation (ml)</th>
<th>With Light Irradiation* (ml)</th>
<th>Compressive Strength (Mpa) After 1 Hour</th>
<th>After 1 Day</th>
<th>After 7 Days</th>
<th>Adhesive Strength (Mpa After 1 Day) Bovine Enamel</th>
<th>Bovine Dentin</th>
<th>Surface Hardness (HV) After 1 Hour</th>
<th>After 1 Day</th>
<th>After 7 Days</th>
<th>Radiopacity (mm)</th>
<th>Fluoride Release microgram/cm² After 1 Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>GC Fuji VII – PURPOSE DESIGNED</td>
<td>0.30/0.15</td>
<td>0.15</td>
<td>1'40''</td>
<td>2'30''</td>
<td>2'00''</td>
<td>0'30''</td>
<td>2'00''</td>
<td>100</td>
<td>159</td>
<td>171</td>
<td>7.0</td>
<td>6.0</td>
<td>26</td>
<td>39</td>
<td>48</td>
<td>2.4</td>
<td>197</td>
</tr>
</tbody>
</table>

* Halogen light curing device