



Our Mission:

Protecting  
partially  
erupted teeth.

With **GC Fuji TRIAGE®**

One of many **GC** solutions for  
caring for youngsters.

**GC**



Since 1921  
100 years of Quality in Dental

# Did you know:

- First and second permanent molars take about 1.5 years to fully erupt<sup>(1)</sup>
- These teeth are difficult to clean during eruption
- The caries risk is highest during this period<sup>(2)</sup>
- Occlusal pits and fissures are 8 times more susceptible to dental caries than smooth surfaces<sup>(3)</sup>
- If the enamel is hypomineralised it can break down very quickly, early protection with Glass Ionomer Cement (GIC) may help reduce this

## Most dentists wait for the teeth to fully erupt because:

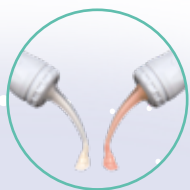
- Proper isolation is not possible
- The bonding effectiveness of resin to aprismatic enamel is poor



# Protect NOW! GC Fuji TRIAGE

from **GC**, the glass ionomer solution for protecting partially erupted molars.

- **Easy to apply:** no etching, no air drying, no bonding required
- **Moisture tolerant:** allows easy placement, even on partially erupted molars, without the use of a rubber dam
- **Low viscosity, excellent flow:** helps penetration into deep pits and fissures
- **Unique pink colour:** absorbs the heat from the curing light to speed up the setting and aids visualization and monitoring



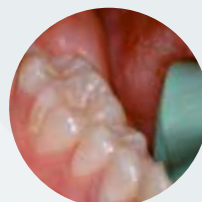
## Protection in five simple



**Step 1:** Remove plaque/debris from the tooth and from under the operculum. Avoid aggravating the operculum.



**Step 2:** Treat the tooth with a dentine conditioner (20 seconds) or cavity conditioner (10 seconds) using a micro-brush and blot dry (do not desiccate).



**Step 3:** Isolate using cotton rolls and suction.



**Step 4:** Spread a thin film of GC Fuji TRIAGE over the pits and fissures.

Mission completed after 4-6

Source: Dr. M. Blique, France

# Protect also MIH surfaces at risk with GC Fuji TRIAGE

**Molar Incisor Hypomineralisation (MIH): a global burden concerning one in seven children <sup>4,5</sup>**

MIH is a common developmental condition affecting primarily one or more first permanent molars.

## What do you need?

- Protect the surface
- Prevent sensitivity
- Prevent enamel breakdown

## Early protection is important to avoid complications

GC Fuji TRIAGE will help to protect the surface against caries formation and hypersensitivity

- Fast and easy application; perfect for first-line treatment
- Helps to postpone or even avoid more invasive treatment options
- Since the procedure is generally well tolerated by children, the risk of developing dental anxiety is reduced



Courtesy of Dr. Rouas, France





# But why wait?

## Here are the facts:



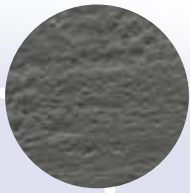
Partially erupted tooth.  
Source: Dr. M. Blique, France

**Fact 1:** It is difficult to isolate a partially erupted molar, when the tooth is partially covered by an operculum. Resin-based sealants need a dry environment for their bonding effectiveness.<sup>(6,7)</sup>



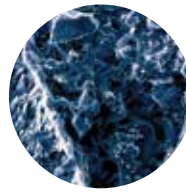
Partially erupted tooth treated with GC Fuji TRIAGE.  
Source: Dr. M. Blique, France

**However:** GC Fuji TRIAGE is moisture tolerant and **offers chemical adhesion** to tooth structure, **even in a moist environment**.<sup>(8,9)</sup>



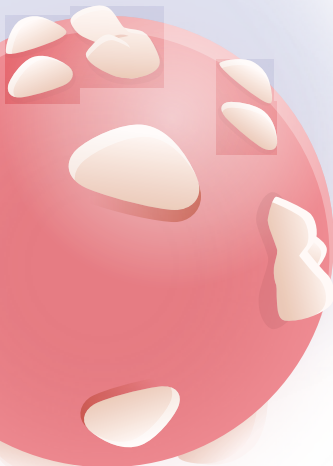
Aprismatic enamel after etching, not showing micro retentive surface. Source: Prof. Alessandra Pereira de Andrade, Brazil

**Fact 2:** Resin-based sealants rely on enamel etching and micro-mechanical retention. **Etching aprismatic enamel does not provide a microretentive surface for an effective resin bond.**<sup>(8)</sup>



Ion exchange layer at the interphase, showing chemical adhesion between the tooth and the glass ionomer.  
Source: Prof. Alessandra Pereira de Andrade, Brazil

**However:** GC Fuji TRIAGE, being a glass ionomer, **allows chemical adhesion, even to aprismatic enamel.**



- Clinical studies indicate that **GC Fuji TRIAGE** has **similar retention compared to resin sealants at 24 months** and report reduced instances of marginal stains and caries in the teeth.<sup>(6)</sup>
- The **retention** of small amounts of glass ionomer sealants could be sufficient to prevent caries in the pits and fissures of teeth<sup>(8)</sup> Fluoride-modified hydroxyapatite is much more caries resistant.<sup>(6)</sup>
- Once the tooth is fully erupted, you still have the option to either renew the existing glass ionomer sealant or place a resin-based sealant.



Retention of GC Fuji TRIAGE after 3 years.  
Source: Dr. M. Blique, France



#### GC Fuji TRIAGE POWDER/LIQUID

(1-1 Pack, 15 g powder, 10 g liquid, 6 g Dentin Conditioner and accessories)

002490 Pink

002491 White

#### GC Fuji TRIAGE CAPSULES

(Box of 50 capsules, mixed volume per capsule 0.12 ml)

002495 Pink

002496 White

Accessories for optimal results

To increase adhesion:

000110 GC CAVITY CONDITIONER / 000120 GC DENTIN CONDITIONER

To prevent dehydration after the initial set:

000026 GC Fuji VARNISH / 000176 GC Fuji COAT LC

## Academic references

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Read more articles here



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