Minimally-invasive, precise and reliable caries removal

Carisolv® gel multimix

25% faster compared with previous gel

The removal of caries with the new gel takes an average of 5.2 minutes, less than 30 per cent of the total treatment time. This development of Carisolv® makes it possible to remove caries as fast as with the drill but with all the advantages a minimally-invasive method can offer. The time aspect is no longer clinically significant.

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Carisolv® – minimally-invasive method for caries removal

Minimally-invasive dentistry comprises biologically-oriented procedures. The teeth are treated with precision and caution in order to last as long as possible, avoid post-operative complications and fulfil the demands of present-day patients.

Using the gel-based caries removal method Carisolv® brings you as close to minimally-invasive procedures as possible. The method involves the use of a gel that selectively reacts with denatured collagen, thereby making the carious dentine softer. Specially-designed instruments – hand and power-operated – are used to remove the softened material. Drill, air abrasion or similar techniques are used if access to the cavity is required.

Carisolv®

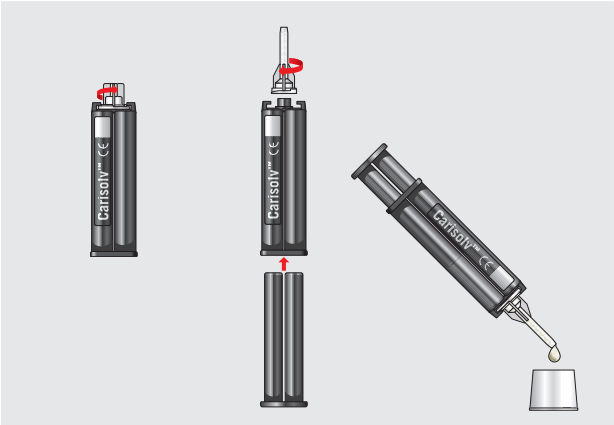
- Well documented
- Minimally-invasive, selective and precise
- Minimises the need for the drill and anaesthetics and enhances patient comfort
- Makes it possible to avoid drilling close to the pulp
- Carisolv® instruments with sharp yet blunt cutting angles help to protect healthy tissue

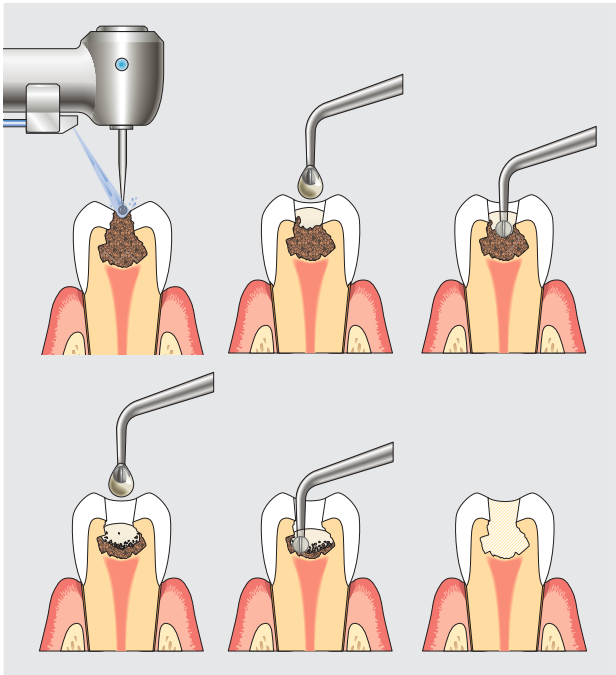
Carisolv® – the clinical procedure

1. The gel does not affect healthy dentine or soft tissue. Nor does it affect enamel. Consequently Carisolv™ should be used in combination with the drill or alternative techniques.
2. Drilling could preferably be used whenever the cavity needs to be opened up, for adjustment of cavity periphery or whenever there are large amounts of caries and when the risk to affect healthy tissue is minimal.
3. Cover the cavity with gel and wait for 30 seconds until the carious dentine has been softened.
4. Softened caries can then be scraped away using the PowerDrive™ and/or the Carisolv® hand instruments.
5. Repeat steps three and four without waiting 30 seconds, until the cavity is free from caries.
6. Inspect and fill as usual.

Specifications of Carisolv® gel multimix

With the multimix package, the gel components are extruded when the plunger is depressed. The gel is mixed automatically in the correct proportions in the tip (static mixer) of the syringe. If a static mixer is not being used, the gel should be mixed manually. A twin





syringe should be sufficient for approximately 10 treatments. Only the amount of gel that is needed for each individual treatment is extruded.

An opened package can be kept at room temperature during working hours. At all other times, it should be kept in a refrigerator. An opened package can be kept up to one month, for subsequent use.

The gel comprises uncoloured fluid of high viscosity, which contains three different amino acids, and a transparent fluid consisting of a low concentration of sodium hypochlorite. When the fluids are mixed, their caries-softening ability is released.

The chemical compositions of the amino acids and the sodium hypochlorite components respectively, have been further optimised compared with the previous gel, resulting in a significantly more effective Carisolv® gel.

Carisolv® is protected by patents and patent applications.

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