

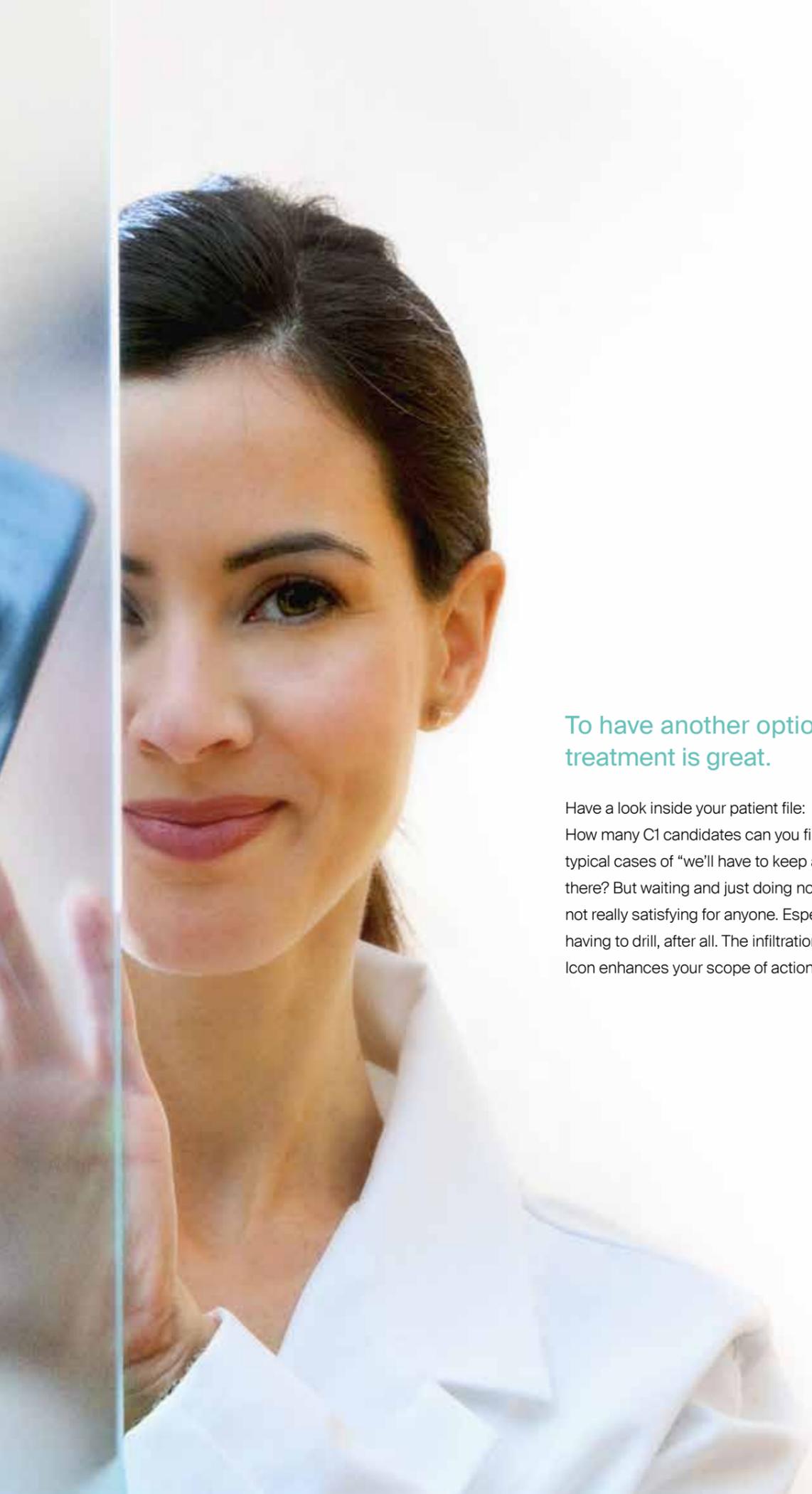


OFF Approximal caries

Early arrest
of caries

Icon Proximal





To have another option for treatment is great.

Have a look inside your patient file:
How many C1 candidates can you find in it? How many typical cases of “we’ll have to keep an eye on that” are there? But waiting and just doing nothing is ultimately not really satisfying for anyone. Especially if you end up having to drill, after all. The infiltration treatment with Icon enhances your scope of action.

Wait?
Drill?
Or ...

Modern dentistry is increasingly oriented towards prevention.

Carious lesions can often be treated with fluoridation in the early stages. However, filling will be necessary if the depth of the lesion progresses. Even minimally invasive procedures in the interdental space require a comparatively large amount of healthy tooth substance to be sacrificed in order to address the lesion. Caries infiltration with Icon succeeds in vital bridge building between preventive and invasive therapy methods. Infiltration with this special highly liquid resin makes innovative treatment of early proximal caries possible.

No drilling and no unnecessary loss of tooth substance.



Challenges in the dental practice

Interdental spaces are at particular risk, but they are hard to reach.

The proximal area is a problem zone not only when brushing teeth. Caries forms particularly easily in this area and is neither immediately visible nor easy to reach for the dentist. Drilling results in the loss of healthy tooth substance.

Is there a way to solve this problem reliably and gently? **There is.**



Invasive treatment methods always involve sacrificing healthy tooth substance. With proximal caries in particular, the relationship between the caries and the healthy tooth substance that is removed is extremely unfavourable.

The answer: infiltration treatment with Icon

Caries infiltration with Icon fills the gap between prophylaxis and filling. What's more, this treatment results in the lesion visually adapting to the healthy enamel, because the innovative method can also be used for aesthetically relevant regions in the anterior tooth region.

A brilliantly simple concept

The infiltration method is incredibly simple: After pre-treatment with an etching gel, the "infiltrant", a highly liquid resin, is applied to the affected area. Through capillary action, the infiltrant penetrates deep into the porous tooth enamel where it is then light-cured. This blocks the penetration of cariogenic acids and the incipient caries can be stopped without drilling.

The healthy tooth substance remains intact.

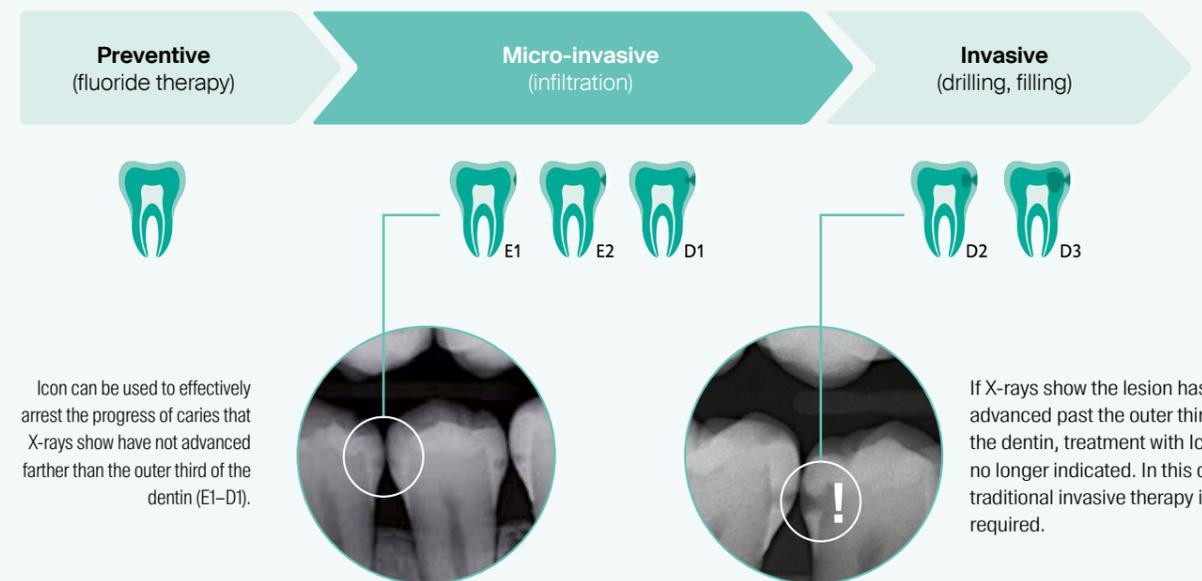


Onset of caries before treatment. Damaging acids attack the enamel, drawing out minerals, and the tooth becomes porous.



After treatment: The pore system is closed up, preventing acids from penetrating the tooth. It is therefore possible to stop the progression of emerging caries.

Icon fills the gap between fluoridating and drilling.



This method is so effective that I actually wonder why it hasn't been around for longer.

What sounds appealingly simple involved long, hard research and development for the creators of the infiltration method at the Charité in Berlin and the Christian Albrechts University in Kiel, and also for DMG. Many years and countless tests and studies had to be carried out before one fact was undeniable: Icon works.

Infiltration treatment involves three simple steps:

etching – drying – infiltration

All the materials needed are included in each Icon pack.

1. Icon Etch

Icon Etch is used to prepare the tooth for infiltration. The HCl gel is applied to the treatment area using special applicators, thereby removing the pseudo-intact surface layer. Only this way can the infiltrant later penetrate the pore system.

2. Icon Dry

A dry environment is required for the subsequent step of actual infiltration. For this purpose, the lesion is additionally dried with Icon Dry (ethanol) and air.

3. Icon Infiltrant

The low viscosity resin, i.e. the infiltrant, is applied, which penetrates deep into the enamel through capillary action and fills the lesion. It is then light-cured. The infiltrated lesion has similar mechanical and optical characteristics to healthy tooth enamel.

Icon between teeth



Initial clinical situation



Bitewing X-ray



Separation with dental wedge



Etch



Dry



Infiltrating



Removal of excess material



Light-curing

Tips from the dental practice

Exact diagnosis with bitewing X-rays

- Make use of bitewing X-rays for early diagnosis of proximal lesions.
- Check the necessity of X-ray images in advance, for example through the use of fiber-optic transillumination devices.

Documentation in patient records

- Icon is not radiopaque.
- This is because the radiopacity requires the use of certain fillers, which have a negative influence on the flow properties and thus the penetration ability of the infiltrant.
- In order to document the procedure properly, the Icon patient card included in every package should be marked and filed appropriately.

Gentle tooth separation

- The separation of teeth is best done gently. The tissue has to adapt to the pressure, much like a muscle stretching.
- Guide the wedge into the interdental space until resistance is felt. Hold the wedge in position for several seconds. Softly push the wedge further until the widest part of the wedge creates enough separation between the teeth.
- Alternatively, orthodontic rubber rings (separating rubber) can also be used for separation. These should be placed one hour to one day before the infiltration treatment.

Local drying

- Sufficient drying is very easy to achieve within seconds with the DMG MiniDam.
- The silicone protection can be quickly applied by just one person and stabilises itself – without clamps.

It's just like with everything else: The routine is learned quickly, the more often you do it.

The infiltration treatment that is gentle on the tooth substance is a comparatively new type of therapy, but the individual treatment steps (etching, drying, filling, light-curing) follow familiar patterns of conventional methods. Therefore, it does not take long before infiltration becomes a natural part of the dental practice portfolio. See for yourself.



View the application video on
DMG's YouTube channel
www.youtube.com/dmgdental



General recognition

Recipient of many awards

DMG has received awards such as the "German Innovation Award 2010" in the category "Medium-sized Companies" for its Icon products and was recognised as a "Selected Landmark 2009" by the "Germany - Land of Ideas" initiative (under the patronage of the Federal President). Chosen by Germany's dentists, Icon also won the "Innovation Award 2009".



Positive press statements

Do you want to treat incipient caries gently, painlessly and aesthetically? Even the general public is interested in this. The global media coverage of caries infiltration, whether in the trade or general press, has been overwhelmingly strong - and extremely positive.

Convincing studies

Numerous international scientific studies have been proving the clinical efficacy of caries infiltration for many years.

Tested in dental practices and recommended by colleagues

How do international dental professionals assess caries infiltration and what is their experience in the dental clinic? Here are a few opinions.

"It is a gentle procedure that is very innovative and extremely comfortable for the patient".

Gabriele Blatt, Dr. med. (dentist) on br-online

"Advantage: Hardly any healthy tooth substance is destroyed. Everything remains beautifully white".

Grazia, Magazine for fashion, lifestyle and beauty

"For us dentists, Icon is the missing piece in the puzzle between prevention and restoration. What particularly appeals to me is that this method was scientifically documented in very detailed fashion before it was marketed."

Dr Marcio Garcia dos Santos MSc, PhD (dental surgeon), Brazil

"Despite education regarding the required oral hygiene, annoying white spots nevertheless sometimes occur during treatment using fixed orthodontic appliances. Icon can be helpful here - and that's why it is readily accepted and also covered by private health insurance".

Dr. med. dent. Dorothea Laupheimer (orthodontic specialist), Germany

"I have been using Icon for more than three years. As a paediatric dentist, non-invasive treatment with Icon has been extremely successful in treating white spots. Icon is most definitely my choice when it comes to preventive dentistry".

Dr Richard Chaet (paediatric dentist), USA

Caries infiltration as the focus of international studies

Numerous in vitro and in vivo studies prove that: Infiltration can stop the progression of carious lesions at an early stage. Alongside the basic effectiveness, various detailed aspects are also the subject of research. The following is a sample of some particularly interesting study results:

Icon is also effective on deciduous teeth.

Ekstrand et al. demonstrated the efficacy of caries infiltration in a randomised, controlled split-mouth study in children.¹

Sources:

1 Ekstrand KR, Bakhshandeh A, Martignon S (2010); Treatment of proximal superficial caries lesions on primary molar teeth with resin infiltration and fluoride varnish versus fluoride varnish only: efficacy after 1 year; Caries Res 44(1):41-46.

2 Dorri, M., et al. (2015). Micro-invasive interventions for managing proximal dental decay in primary and permanent teeth. Cochrane Database Syst Rev 11: CD010431.

The caries infiltration also stands up to critical examination.

The independent international Cochrane Collaboration has analysed different micro-invasive treatment methods for proximal caries lesions according to strictly evidence-based criteria. The authors summarily describe caries infiltration as a suitable minimally invasive treatment option.²

Quick protection – where it's needed. DMG MiniDam.



Stretch the DMG MiniDam and pull it towards the gingiva.



Relieve the tension on the DMG MiniDam and fold it over cervically.



The DMG MiniDam holds firmly in place without the need for clamps.

Local protection and dryness

The DMG MiniDam protects the proximal area during treatment – quickly, easily and comfortably for the patient. The practical silicone shield ensures that the site being treated is sufficiently dry. At the same time, the gingiva is protected from the materials being used (e.g. etching gel).

Secure quicker

The DMG MiniDam can be placed by one person in just a few seconds and stabilises itself – without clamps. Therefore, the application is very comfortable, not only for the practitioner but also for the patient. The material is latex-free and thus harmless for those who are allergic to latex. Thanks to the DMG MiniDam, procedures in the proximal area, which include caries infiltration for example, can be completed more quickly.

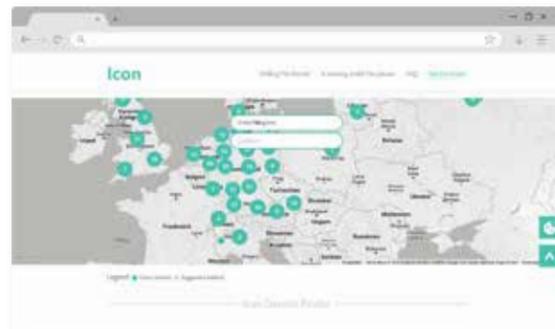


Our support for you and your patients

The Icon Dentist Finder

Where will infiltration take place? With the online Dentist Finder, patients can quickly and easily find an Icon dentist near them. Call attention to the fact that your practice is ready for the future and register for the Dentist Finder free of charge.

Register at drilling-no-thanks.com/en/dentist-finder



The Icon website for patients

Both vestibular and proximal infiltration treatments are clearly illustrated for patients at drilling-no-thanks.com. Information is presented in an easy to understand, engaging manner and includes a video as well as the integrated Icon Dentist Finder. Why not go and take a look?



Good reasons

- Halt of caries at an early stage
- Preserve healthy tooth structure
- Pain-free method, without anaesthesia, or drilling



Lesion treatments per sales unit

Sales unit	Starter pack	Economy pack
Treatment units	2	7
Lesion treatments	4	14

Product overview

Icon Proximal

1 Treatment unit contains:
 1 Syringe @ 0.3 ml Etch, 1 syringe @ 0.45 ml Icon Dry,
 1 Syringe @ 0.45 ml Icon Infiltrant,
 6 Approximal Tips, 1 Luer-Lock-Tip, 4 dental wedges

Starter pack:
 2 Treatment units REF 220341

Economy Pack:
 7 Treatment units REF 220237

DMG MiniDam

Packaging:
 20 Pcs REF 220381

A smile ahead
together



DMG

Chemisch-Pharmazeutische Fabrik GmbH

Elbgaustraße 248 22547 Hamburg Germany
Fon: +49. (0) 40. 84 006-0 Fax: +49. (0) 40. 84 006-222
info@dmg-dental.com www.dmg-dental.com
www.facebook.com/dmgdental

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