**Icon™**
*(Resin Infiltration of White Spot Lesions)*

**Icon** is a minimally invasive restorative treatment for the cosmetic treatment of white spot lesions (WSL) and beginning cavities. Lesions infiltrated by Icon take on the appearance of the surrounding healthy enamel. This provides a highly esthetic alternative to micro-abrasion and restorative treatment of cariogenic white spots – all in one simple treatment with no drilling!

**Benefits of Icon Treatment**

- **Non-invasive treatment.** Icon is designed to treat early cavities without invasive drilling or needles
- **Prevents advanced cavity development.** Icon helps prevent an early cavity from growing into a larger cavity.
- **Immediate results.** The entire treatment can be completed in one sitting and patients experience immediate results afterward.
- **Healthier smile.** Icon treatments result in a nicer, healthier looking smile that is free of cavities and white spots.
- **Painless and no shots.** Icon treatment is gentle on teeth and causes no pain or discomfort. The treatment can be performed without the use of local anesthetics.
- **Preserves healthy hard tissues.** Because there is no drilling involved, Icon allows us to treat your teeth without removing healthy tissue.

**Icon Treatment**

1. **Preparing the tooth for treatment** – After isolating the tooth, we will treat the surface of the tooth with a special gel and then rinsed thoroughly.
2. **Drying the tooth** – The tooth is then dried with a unique drying agent.
3. **Applying the Icon** – The Icon resin material is applied to the early cavity or WSL which fills and seals the tooth. A special light is then used to harden the material.
4. **Smoothing the tooth** – Any excess resin is removed and the tooth is polished.

**Benefits**

- Much less invasive and expensive than fillings or veneers.
- Untreated lesions often look worse after bleaching. Icon treated lesions will whiten similarly to natural tooth enamel.

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**Before Treatment**

**Immediately after Treatment**
*(Gum tissue will heal in a few days)*
Introducing Icon®
The revolutionary treatment for incipient caries and white spots...without drilling!

Ordering Information

Icon Smooth Surface
Each Patient Pack treats 2-3 lesions.
Includes: 1-0.30ml Syringe Icon-Etch, 1-0.45ml Syringe Icon-Dry, 1-0.45ml Syringe Icon-Infiltrant, 6 Smooth Surface Tips
Mini-Kit – 2 Patient Packs.................. 220402
Cube – 7 Patient Packs...................... 220403

Icon Proximal
Each Patient Pack treats 2 lesions.
Includes: 1-0.30ml Syringe Icon-Etch, 1-0.45ml Syringe Icon-Dry, 1-0.45ml Syringe Icon-Infiltrant, 6 Proximal Tips, 4 Dental Wedges
Mini-Kit – 2 Patient Packs.................. 220400
Cube – 7 Patient Packs...................... 220401

For more information, call us at 800.662.6383. To find out more about all of our innovative dental products, visit our website at www.dmg-america.com

242 South Dean Street, Englewood, NJ 07631
P: 800-662-6383 • 201-894-5505
F: 201-894-0213 • www.dmg-america.com
The challenge:
Treat caries while preserving healthy tooth structure

Until now, dental professionals have had only two choices in the treatment of caries: use fluoride and other treatments to remineralize enamel in the very early stages – or "wait and see" until it's time to "drill and fill."

Icon represents an entirely new, revolutionary approach to treatment of incipient caries – a caries infiltrant. This breakthrough micro-invasive technology fills and reinforces demineralized enamel without drilling or anesthesia.

**Problem: Incipient Caries**

**First indications of incipient caries:**
Why a “wait and see” approach can lead to problems

**Caries indication:**
- Incipient caries causes mineral loss under a pseudo-intact surface layer
- The demineralization can affect a pore volume of 30% or more in the lesion body
- Cariogenic acids diffuse through these pores and dissolve minerals from the enamel

**Why previous treatments fall short:**
- Fluoride therapy – not always effective in the advanced stages
- Filling – almost always sacrifices significant amounts of healthy tooth structure

Cross-section of proximal caries lesion
Smooth surface caries lesion

Clinical image of an incipient caries lesion
Pore system of an incipient caries lesion.
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The revolutionary solution: Icon from DMG America

No more “wait and see” . . . treat incipient caries upon discovery!
- Icon provides an innovative, never-before-seen option for treatment of smooth surface and proximal carious lesions.
- Instead of taking a "wait and see" approach, Icon can arrest the progress of early enamel lesions up to the first third of dentin – in one simple procedure, without unnecessary loss of healthy tooth structure!

Fast, simple treatment in one visit . . . with no drilling!

Proximal Procedure

1. Icon application procedure:
   For proximal lesions, the affected teeth are slightly separated with dental wedges.
   The surface area of the lesion is eroded with a 15% HCl gel. This opens the pore system of the lesion body.
   The pore system is then dried with ethanol.
   Icon is then applied onto the lesion body with the application aid. The extremely high penetration coefficient of the Icon resin enables it to penetrate into the lesion pores.
   Excess material is then removed and the material is light cured.
   Total treatment time per lesion: about 15 minutes!

Cosmetically remove white spot lesions in just one visit!
- Icon offers a revolutionary approach to the cosmetic treatment of carious white spot lesions.
- Lesions infiltrated by Icon take on the appearance of the surrounding healthy enamel. This provides a highly esthetic alternative to micro-abrasion and restorative treatments of cariogenic white spots – all in one simple treatment, with no drilling!

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Icon... Beneficial to your patients and your practice

- Enables immediate treatment of lesions not yet advanced enough for restoration; ends "wait and see" approach
- Arrests caries progress without unnecessary loss of healthy tooth structure
- Cosmetic treatment of cariogenic white spots in one patient visit
- No drilling or anesthesia required, for greater patient comfort
- Patients with poor compliance can be treated earlier
- Prolonged life expectancy of tooth
- Not just minimally invasive dentistry... micro-invasive!

The first treatment to bridge the gap between prevention and restoration...

Prevent (Fluoride Therapy)  Infiltrate (Icon)  Restore (Drill & Fill)

Icon technology – the focus of numerous international studies

The breakthrough caries infiltration technology utilized in Icon is the subject of these international studies:

- Long-term color stability of infiltrated lesions – in vivo
  Duarte, S., Phark, J; principal investigator, Department of Comprehensive Care, Dental School, Case Western Reserve University, Cleveland, OH, USA

- Radiographic comparison of lesion progression after infiltration and standard therapy – in vivo
  Peters, M.C., principal investigator, Department of Cariology, Restorative Dentistry and Endodontics, Department of Operative Dentistry, School of Dentistry, University of Michigan, Ann Arbor, MI, USA

- Radiographic comparison of lesion progression after infiltration and standard therapy in children at high caries risk – in vivo
  Ekstrand, K.R., principal investigator, Department of Operative Dentistry, Københavns Universitet, Tandlægehøjskolen, Copenhagen, Denmark

- Color stability of infiltrated lesions – in vitro
  Luebbers, D., principal investigator, D3M Dental Material Gesellschaft mbH, Elbgauer 248, 22547 Hamburg, Germany

- Development of the infiltration technique
  Meyer-Lückel, H et al., principal investigator, Department of Operative Dentistry and Periodontology, Charité – University Medicine Berlin, Germany

- Lesion progression of sealed and infiltrated caries lesions – in situ
  Paris, S., Meyer-Lückel, H; principal investigator, Department of Operative Dentistry and Periodontology, Christian-Albrechts-University Kiel, Germany

- Radiographic comparison of lesion progression after infiltration and standard therapy – in vivo
  Meyer-Lückel, H., Paris, S. principal investigator, Department of Operative Dentistry and Periodontology, Christian-Albrechts-University Kiel, Germany

- In vitro – Toothbrush wear resistance
  Lohbauer, U; principal investigator, Dental clinics – Conservative Dentistry and Periodontology, University Hospital Erlangen, Germany

- Evaluation of penetration depths of an infiltrant into primary molars after various application times – in vivo
  Mendes Sovero, V; principal investigator, Faculdade de Odontologia, Centro Biomédico, Universidade do Estado do Rio de Janeiro, Brazil

- Radiographic comparison of lesion progression after infiltration, sealing and intensified oral hygiene in a high caries risk population – in vivo
  Martignoni, S., principal investigator, Caries Research Unit UNICA, Dental Faculty, University El Bosque, Bogotá, Colombia

For complete details on all caries infiltration studies currently in progress, please visit www.drilling-no-thanks.com
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Influence of the humidity on the infiltration process – in vitro
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