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

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

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
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Why a “wait and see” approach can lead to problems:

Clinical image of an incipient caries lesion

Pore system of an incipient caries lesion.
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!

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!
**The revolutionary solution:**
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**Proximal Procedure**

1. The surface area of the lesion is eroded with a 15% HCl gel. This opens the pore system of the lesion body.
2. The pore system is then dried with ethanol.
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4. Excess material is then removed and the material is light cured.

**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!

**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.
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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...
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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.H. 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, MC. principal investigator, Department of Cariology, Restorative Dentistry and Endodontics, Department of Operative Dentistry, School of Dentistry, University of Michigan, Ann Arbor, MI, USA

- Color stability of infiltrated lesions – in vitro
  Luebbers, D. principal investigator, c/o DMG Dental Material Gesellschaft mbH, Elbgaustr. 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 & Department of Operative Dentistry and Periodontology, Christian-Albrechts-University Kiel, 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 clinic 1 – 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 Soares, V. principal investigator, Faculdade de Odontologia, Centro Biomédico, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil

- Radiographic comparison of lesion progression after infiltration, sealing and intensified oral hygiene in a high caries risk population – in vivo
  Martignon, 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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