

RESIN INFILTRATION TECHNIQUE -ICON

Resin Infiltration Is One Of The Materials Used For Minimally Invasive Dentistry For The Treatment Of Discoloured Enamel Either Due To Defects Of Enamel Or Demineralization .ICON (DMG Hamburg Germany)Which Stands For Infiltration Concept Is The Brand Name For New Resin Infiltration Product .



White spots



MIH

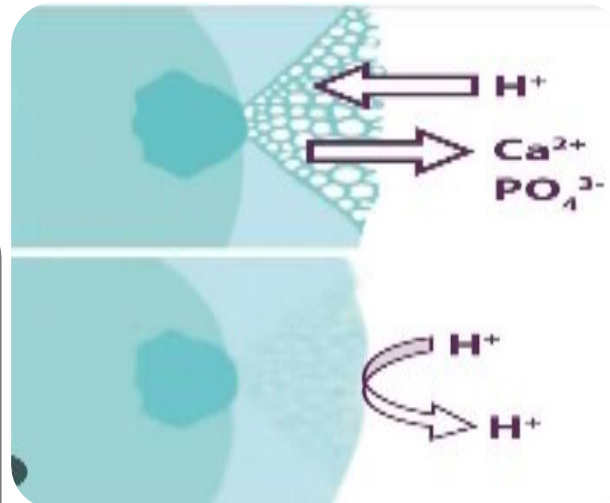


FLOUROSIS



POST ORTHO WHITE SPOTS

WHEN TO USE



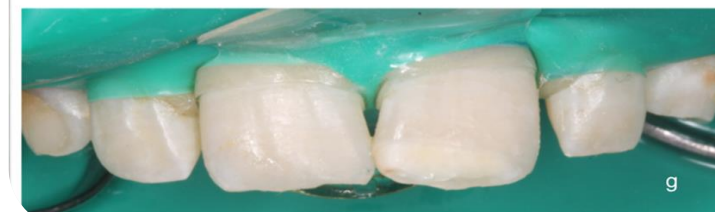
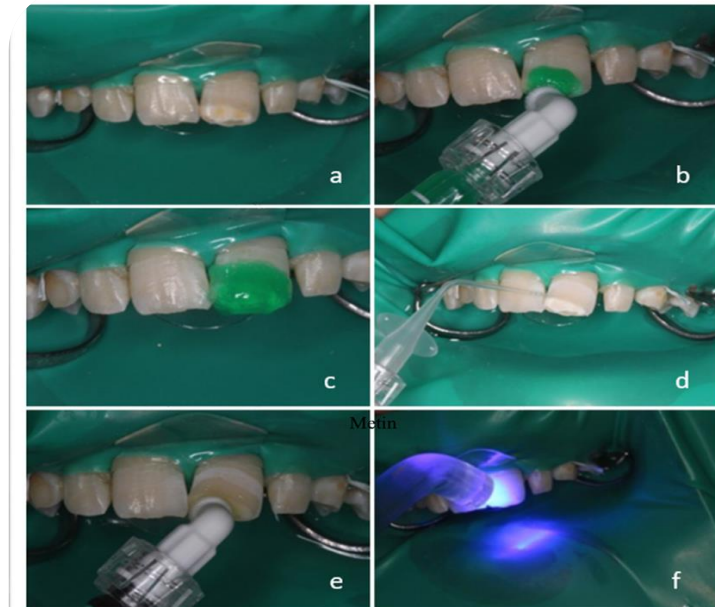
MECHANISM OF ACTION

ADVANTAGES

- Non invasive
- Completed in single visit
- Retards progress of lesion
- Mechanical stabilization
- High patient acceptance
- No risk of postoperative sensitivity
- No risk of secondary caries

LIMITATIONS

- Ineffective isolation
- Incomplete resin polymerization
- Expensive



HOW TO USE



Composition
 ICON –ETCH - 15% HCL
 pyrogenic sillisic acid
 surface active agents
 ICON –DRY - 99% ethanol
 ICON INFLITERANT - methacrylate based
 resin matrix (TEGDMA)
 initiators, additives