

Pit and Fissure Sealant



By

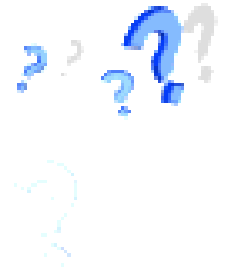
Ms. Zain Malkawi, MSDH

Pit and Fissure Sealant

An organic polymer (resin) which flows into the pit or fissure and bonds to the enamel surface by the mechanical retention



Purpose of the Sealant



- Provide physical barrier to seal off the pit and fissure
- Prevent oral bacteria from collecting within the pit or fissure
- Fill the pit or fissures as deep as possible

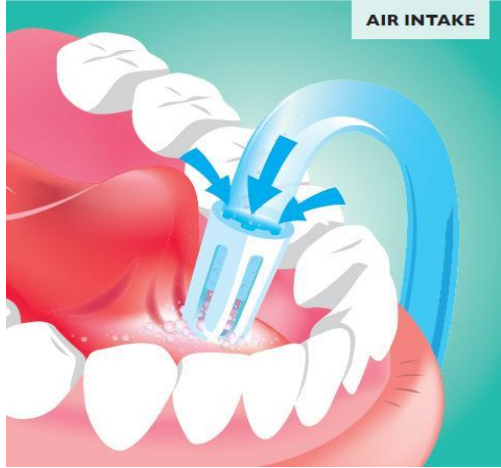
Stages of Procedure

- Isolation
- Applying acid etching
- Drying
- Applying the sealant material
- Light curing

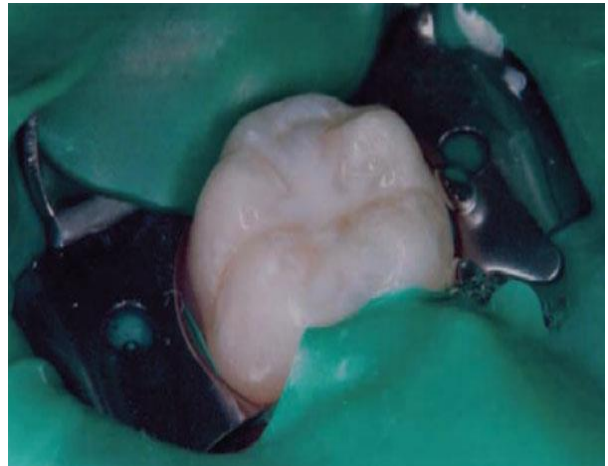




Isolation by cotton roll

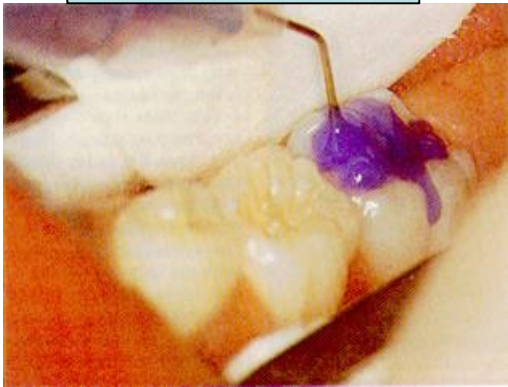


Isolation by saliva ejector

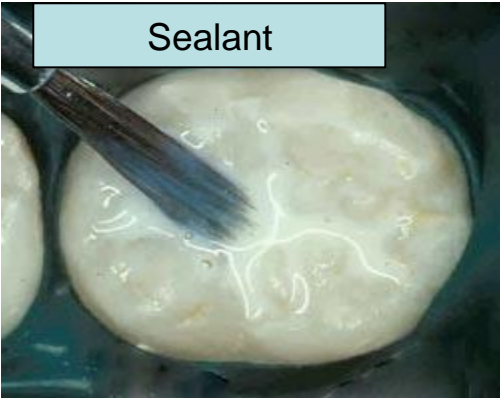


Isolation by Rubber Dam

Acid Etching

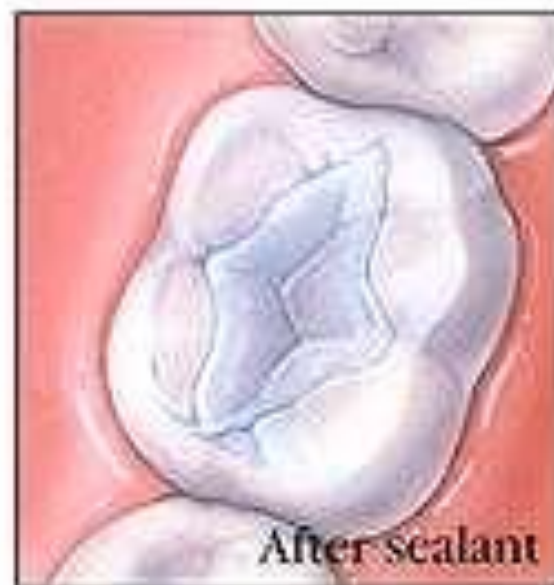
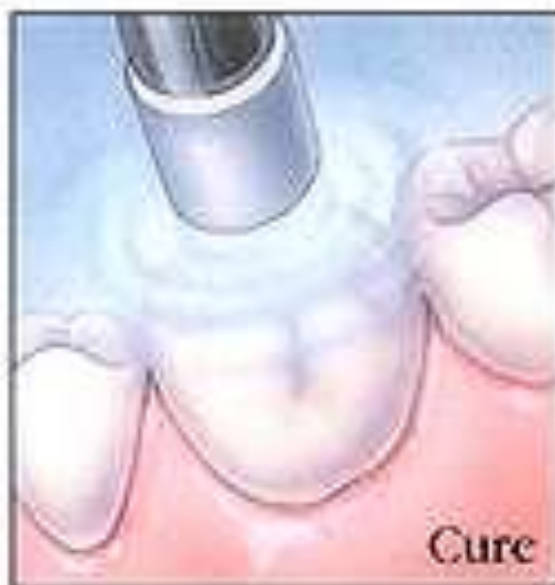
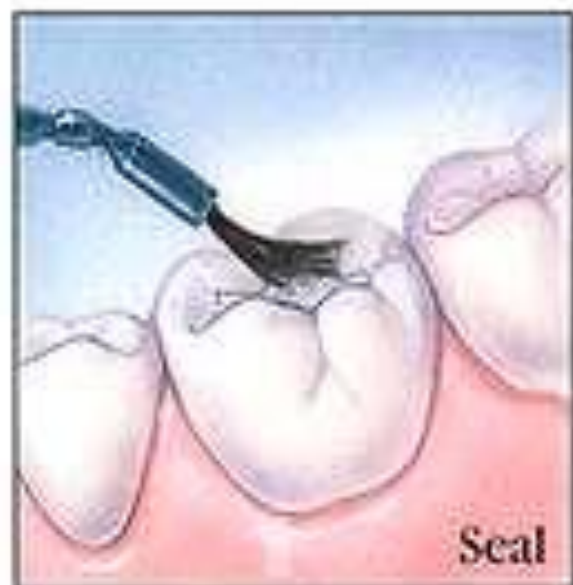
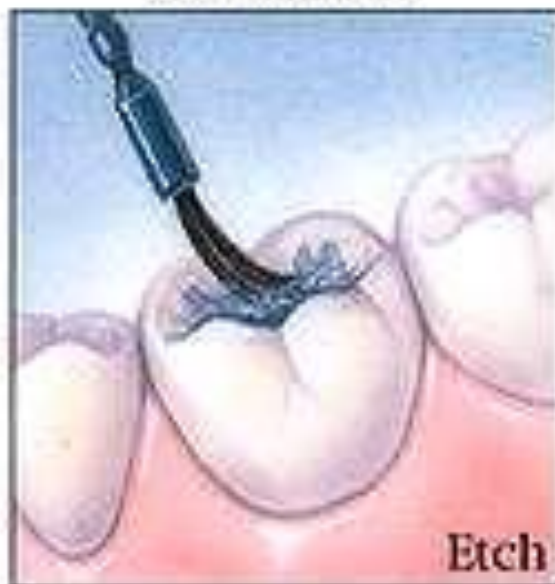


Sealant



Light Curing

Sealants



Watch the Attached Video of
Sealant Application...!!

Yes!

A green pencil is shown drawing a green underline under the word "Yes!". The pencil is positioned at the end of the underline, pointing towards the right. The word "Yes!" is written in a bold, dark grey font.

After



السطح الطاحن للرحى بعد
وضع وتصليب المادة السادة

Before

Sealant Application



السطح الطاحن للرحى قبل
تطبيق المادة السادة للشقوق

Indications for Sealant Placement



- ***Patients with risk for dental caries (any age):***
 - ✓ Xerostomia (Dry Mouth): from medications or other reasons
 - ✓ Patient undergoing orthodontics
 - ✓ Incipient caries: caries is limited to the enamel

Indications for Sealant Placement

- ***Teeth:***

- ✓ Newly erupted: as soon after eruption as possible
- ✓ Occlusal contour: when pit or fissure is deep and irregular
- ✓ Caries history: other teeth restored or have carious lesions



Contraindications

- Radiographic evidence of proximal dental caries



- Pit and fissures are well coalesced and self – cleaning: low caries risk



**THANK
YOU!**

