### Composite Restoration Finishing – use Trimming & Finishing Bur #7406 (12-blade)

1. Caries Access – with Carbide Bur FG #169L.

2. Comfortable Caries Removal in Dentin – Use SmartBurs

3. Composite Restoration Finishing – Use Trimming & Finishing Bur #7901 (12-blade)

#### Occlusal pit and fissure carious lesion confirmed:

- After placement of composite restoration:

#### Cervical carious lesion confirmed:

<table>
<thead>
<tr>
<th>Burs Original or NTF or FG #245 carbide bur.</th>
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<tbody>
<tr>
<td>Composite Restoration Finishing</td>
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<tr>
<td>Supreme Composite 1-Step Universal Polisher, flame-shape.</td>
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What is the Science Behind the Claims?

Research Summary
- Conventional, restorative dentistry involving ablation techniques is painful for many patients.
- SmartBurs II has demonstrated in studies to be a welcomed alternative to conventional carbide bur.

Study shows patients did not require local anesthesia during procedures conducted on 40 patients. *

- The NYU patient study showed that there was no postoperative hypersensitivity in either Class I or V cavity preparation.
- A clinical study conducted at NYU College of Dentistry compared caries removal with a SmartBurs instrument (without anesthesia) to caries removal with a conventional carbide bur (with anesthesia).

Results showed that 84% of patients preferred use of a SmartBurs II instrument compared to use of a carbide bur with no local anesthetic for future dental treatment. *

Cause Odontoblastic Processes and Pain
- Odontoblasts are the cells that produce and maintain the mineralized tissue.
- Injury to these cells results in pain.
- A SmartBurs II instrument leaves no exposed dentin, eliminating the need for local anesthetic.

How They Can Impact Your Practice?

- Independent clinical research group evaluated the Fissurotomy® bur:
  - 9.5 rating on comfort level from patients (10 being “most comfortable”)
  - 100% of dentin removal resulted in no pain without use of anesthesia (31/31). No request for anesthesia needed in most cases.
  - Patients do not have to go back to work numb.

- Study shows patients did not require local anesthesia during procedures conducted on 40 patients. *
  - Independent research shows that 15 to 22% of patients are needle phobic.
  - 100 Referrals® Fissurotomy® System

How Can This Impact Your Practice?

- Chair Time
  - If you can do 200 cavity preparations without local anesthetic, doing 25x11 equals 100 referrals.

- Referral patient is valued at $1000 per patient.

- Practice & patient satisfaction increases.

- Quality of life improves for patient.

- No effects observed on taste and smell.

- Optimal patient experience.

- Improved patient experience.

- How can this impact your practice?

What is the Value to Your Patient?

- Patients don't have to go back to work numb.

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