Preparation Techniques in Conservative Dentistry

Zsolt Nagy DMD
PREPARATION:
Removal of tooth structure for healing purposes
PREPARATION

★ Manual Instruments
PREPARATION

★ Rotary Instruments
PREPARATION

★ Oscillating Instruments
PREPARATION

★ Laser
PREPARATION

★ Air Abrasion
ROTARY INSTRUMENTS

- Propulsion

Micromotor

Turbine
ROTARY INSTRUMENTS

Handpieces

Contral Angle Handpiece

Accelerator

Straight Handpiece

Micromotor

Contra Angle

240,000 Rpm

NSK Ti-Max Z25L

Ti-Max X65L

NSK Ti-Max Z15L

Reductor
ROTARY INSTRUMENTS

Handpieces

Turbine Handpiece

400,000 Rpm

Turbine Clutch
FORGÓ ESZKÖZÖK
Grip Types

FG - Friction Grip
Grip Types

Contra Angle Grip
ROVARY INSTRUMENTS

- Bur Types
  - Materials

- Diamond
- Tungsten Carbide
- Steel
ROTARY INSTRUMENTS

Bur Types - Shape

- Spherical
- Tapered
- Fissure
- Needle
- Pear Shape
- Rugby
CLASSIFICATION OF CAVITIES

G. V. Black (1914)

- Predilectional Spots
- Preventive Extension
PREDILECTIONAL SPOTS

Clinical Crown

Anatomical Crown
CLASSIFICATION OF CAVITIES

Class I Lesions
CLASSIFICATION OF CAVITIES

Class II Lesions
CLASSIFICATION OF CAVITIES

Class III Lesions
CLASSIFICATION OF CAVITIES

Class IV Lesions
CLASSIFICATION OF CAVITIES

Class V Lesions
CLASSIFICATION OF CAVITIES

Class VI Lesions
CLASSIFICATION OF CAVITIES

Root surface caries
PREPARATION TECHNIQUES

★ conventional - macroretention
PREPARATION TECHNIQUES

★ modified conventional - macro és microretention
PREPARATION TECHNIQUES

★ minimal invasive - microretention

![Image of teeth with minimal invasive microretention preparation techniques]
PREPARATION IN ENDODONTICS
OPENING OF THE PULP CHAMBER (TREPANATION)
ACCESS CAVITY PREPARATION
ENDODONTIC BURS