牙髓病學 Endodontics

The Art and Science of Cleaning and Shaping

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學習目標

All students must be familiar with the development of endodontic theory and practice and an evidence-based approach that permits an intelligent evaluation of current and future technologies and materials.



• Principle of Endodontics Pathway of the pulp

Summary

- Rationale of Endodotnics Anatomy and Embryology of the Pulp Pretreatment and Rubber Dam
- · Diseases of the Pulp
- Endodontic diagnosis and emergency management Endodontic Radiography
- Endodontic Instruments and materials
- The Art and Science of Cleaning and Shaping
- The device and application of the Ni-Ti instrument in the endodontic treatment
- The Art and Science of Obturation—
 Vertical Compaction of Warm GP Technique Lateral Compaction Technique

Summary

- Surgical Endodontics
- Apexogenesis and Apexification
- Endodontic Traumatology
- Diagnosis and Management of Combined Perio-endo Problem
 - Treatment planning /Endodontic Mishap /retreatment Apex Locator
- Tooth Bleaching
- Laser endodontics digital radiography / CT in Endodontic treatment
 - 醫療環境與心理層面 Treatment planning /Endodontic Mishap /retreatment

Cleaning:

The removal of the entire organic substrate from the root canal system

Shaping:

The development of a logical cavity form that any dentist can fill

Shaping facilitates cleaning





Schilder's Five Mechanical Objectives

1.

The root canal preparation should develop a **continuously tapering funnel** from the coronal access cavity to the root apex



2.

The cross sectional diameter of the preparation should be **narrower** at every point **apically** and **wider** at each point as the **access cavity** is approached



3.

The root canal preparation should occupy as many planes as are presented by the root canal system ; that is, multiple planes

The concept of "flow"





4.*

The apical foramen should remain in its original spatial relationship both to the bone and to the root surface

DO NOT TRANSPORT THE FORAMEN

Type of Transportation

External Transportation

- Perforation
- Tear or Rip

Internal Transportation

- Short
- False Path

























