

牙髓病學 Endodontics

Endodontic Treatment In Interdisciplinary I



臺北醫學大學 牙醫學系
謝松志 醫師 B.D.S. C.A.G.S. D.Sc.D.
endo@tmu.edu.tw

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.

參考資料

- Principle of Endodontics Pathway of the pulp

Summary

- Rationale of Endodontics
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

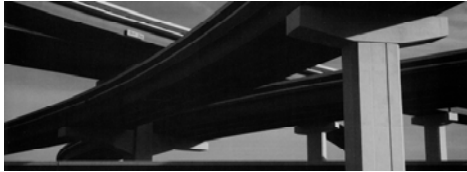
8 ways to predict the location of accessory canal

- Widened PDL
- Tangent-radius relationship
- Disappearance of main canal
- File is not in the center of root
- Inner curvature
- Bulbos root tip
- Symmetry (very smaller anatomy)
- Expect the unexpected

Inadequate cleaning and shaping is a major cause of endodontic failure.

- Short to the working length
- Missed canal systems
- Transported the canal systems
- Blocked the canal systems

Trouble finding your way?



**Inadequate cleaning and shaping
is
a major cause of endodontic failure.**

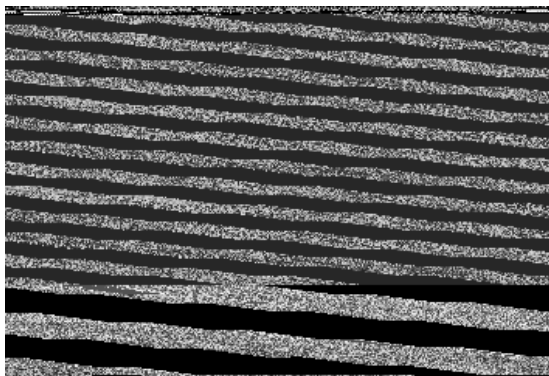
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Tight and narrow canal systems?

Canal Obstruction ?

Canal Calcification ?

Ultrasonic Instrument (ProUltra Endo Tips)



Mineral Trioxide Aggregate (MTA) and Its Clinical Uses

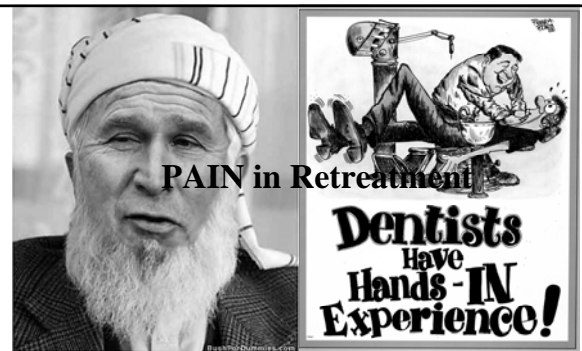


Post preparation technique

- Heated endodontic pluggers (Thermal)
- Rotary instruments (eg. Gate-Glidden drill)
- Chemical solvent

Major classes of root canal sealer with examples

Classification	Commercial examples
Zinc oxide-eugenol based	
Rapid setting	Tubli-seal (Kerr) Pulp Canal Sealer (Kerr)
Slow setting	Roth 801 sealer (Roth international) Tubli-Seal Extended Working Time (Kerr) Pulp Canal Sealer Extended Working Time (Kerr)
Calcium hydroxide based	Sealapex (Kerr) Apexit (Ivoclar-Vivadent)
Plastic Resins	AH 26 (Dentsply) AH Plus (Dentsply) Topseal (Dentsply)
Glass Ionomer Cement	Ketac-Endo (Espe)



In Summary

accurately assess the
restorative, orthodontic, endodontic
and periodontal outcomes will
result in
successful treatment plans.

Strengthening relationships with
specialists on the dental team will
increase your practice productivity.

**Together, we can
rewrite history.**

