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REVISED SYLLABUS – ENDODONTICS

1. Endodontics – introduction definition scope and future of endodontics.
2. Clinical diagnostic methods.
3. Emergency endodontic procedures.
4. Pulpal diseases causes, types and treatment.
5. Periapical diseases – acute periapical abscess, acute periodontal abscess phoenix abscess, chronic alveolar abscess granuloma cysts condensing osteitis, external resorption.
6. Vital pulp therapy – indirect and direct pulp capping pulpotomy different types and medicaments used.
7. Apexogenesis and apexification or problems of open apex.
8. Rationale of endodontic treatment cease selection indication and contraindications for root canal treatments.
9. Principles of root canal treatment mouth preparation root canal instruments, hand instruments, power driven instruments, standardization color coding principle of using endodontic instruments. Sterilization of root canal instruments and materials rubber dam application.
10. Anatomy of the pulp cavity: root canals apical foramen. Anomalies iof pulp cavities access cavity preparation of anterior and premolar teeth.
11. Preparation of root canal space – Determination of working length, cleaning and shaping of root canals; irrigating solution chemical aids to instrumentation.
12. Disinfection of root canal space intracanal medicaments, poly antibiotic paste ross mans paste, mummifying agents. Out line of root canal treatment, bacteriological examinations, culture methods.
13. Problems during cleaning -and shaping of root canal spaces. Perforation and its management. Broken instruments and its management, management of single and double curved root canals.
14. Methods of cleaning and shaping like step back crown down and conventional methods.

15. Obturation of the root canal system. Requirements of an ideal root canal filling material obturation methods using gutta-percha healing after endodontic treatment. Failures in endodontics.
16. Root canal sealers. Ideal properties, classification. Manipulation of root canal sealers.
17. Post endodontic restoration fabrication and components of post core preparation.
18. Smear layer and its importance'in endodontics and conservative treatment.
19. Discolored teeth and its management. Bleaching agents, vital and nonvital bleaching methods.
20. Traumatized teeth - classification of fractured teeth. Management of fractured tooth and root luxated teeth and its management.
21. Endodontic surgeries indication contraindications, preoperative preparation. Pre-medication surgical instruments and techniques apicectomy, retrograde filling, post-operative sequalae terphination hemisection, radiscetomy techniques of tooth reimplantation (both intentional and accidental) endodontic implants.
22. Root resorption.
23. Emergency endodontic procedures.
24. Lasers in conservative endodontics- (introduction only) practice management.