

1. Applied Anatomy and Physiology

2. Inflammation and repair, necrosis, degeneration, Immunity and hypersensitivity

3. Periodontal microbiology

- a. Systemic bacteriology with special emphasis on oral microbiology - staphylococci actinomyces and other filamentous bacteria and actinobacillus actinomycetumcomitans,
- b. Herpes, Hepatitis virus, HIV virus
- c. Candidiasis
- d. Applied microbiology
- e. Diagnostic microbiology and immunology, hospital infections & management

4. Pharmacology :Druges relavant to Periodontal Health and Disease.

5. Etiopathogenesis of Periodontal diseases

6. Gingival Diseases

1. Gingival inflammation
2. Gingival enlargement
3. Acute gingival infections
4. Desquamative gingivitis and oral mucous membrane diseases
5. Gingival diseases in the childhood

7. Periodontal Diseases

1. Periodontal pocket
2. Bone loss and patterns of bone destruction
3. Periodontal response to external forces
4. Masticatory system disorders
5. Chronic periodontitis
6. Aggressive periodontitis
7. Necrotising ulcerative periodontitis

8. History, Examination, Diagnosis, Prognosis and Treatment Planning for Periodontal diseases.

9. Periodontal therapy – Nonsurgical.

10. Periodontal surgical phase

1. Gingival curettage, Gingivectomy and Periodontal flap Surgery
2. Osseous surgery (resective and regenerative)
3. Furcation; Problem and its management
4. The periodontic - endodontic continuum
5. Perio-esthetics
6. Recent advances in surgical techniques including Lasers.

- 11. Future directions in periodontal diagnosis and therapy.**
- 12. Supportive periodontal treatment**
- 13. Oral Implantology with special emphasis on plaque control measures**
- 14. Diagnosis and Treatment of Peri-Implant Complications**

REFERENCE BOOKS:

1. Clinical Periodontology and Implant Dentistry: Jan Lindhe:3rd edition
2. Carranza's Clinical Periodontology: Carranza: 11th edition
3. Periodontal Medicine Surgery & Implants: Rose L.F.
4. Advances in Periodontics: Wilson T.G
5. Contemporary Implant Dentistry: Carl Misch: 4th edition
6. Practical Osseous Surgery in Periodontics and Implant Dentistry: Dibart Serqe