

Module wise Post graduate Curriculum in the Subject of :-
Periodontology , KGMU, Lucknow.

S. No.	Modules	Topics Covered
Topics Allotted to JR-I		
1.	<u>Module 1</u> Applied Anatomy & Genetics	V th &VII th cranial nerves
		External & internal carotid artery, maxillary & mandibular artery
		Nerve & blood supply of upper & lower lip, cheek & gums
		Basic principles of human genetics
2.	<u>Module 2</u> Applied Physiology	Blood: composition & comparison of normal diagnostic values
		Saliva: composition & functions
		Neuromuscular Physiology
3.	<u>Module 3</u> Applied Pathology	Inflammation & infection
		Immunology
		Infectious diseases
		Immunology
		Bleeding & clotting disorders
4.	<u>Module 4</u> Nutrition and Dietics	Introduction to Nutrition & Diet
		Role of diet in oral health & diseases
5.	<u>Module 5</u> Case history, examination, diagnosis & treatment Planning & Epidemiology	Case History Recording, outline of principles of examination, diagnosis & treatment planning
		Concepts, Methods of recording & evaluation of various oral diseases
		Various national & global trends of epidemiology of oral diseases
6.	<u>Module 6</u> Growth & Development	Prenatal and Postnatal development of cranium, face, jaws, teeth and supporting structures
		Chronology of dental development and development of occlusion& Dimensional changes in dental arches
		Growth of Periodontium.
7.	<u>Module 7</u> Patient Psychology	Classification of behavior, personality & intelligence.
		Psychological behavior of patients
		Fear anxiety, apprehension & its management

8.	<u>Module 8</u> Behavior Management	Behavioral science and its application in Periodontics
		Non - pharmacological methods of behavior management
		Management of Mentally Compromised patients
		Geriatric Periodontics
		Pharmacological methods of behavior management
9.	<u>Module 9</u> Anesthesia in Periodontal clinic	Drugs, Synergic & Antagonistic Actions of Various Drugs
		Presurgical sedation
		Patient selection for GA & LA (Indications, Contra Indications and adverse effects.
		Local Anesthesia in Periodontics, GA in Periodontal Surgery
10.	<u>Module 10</u> Preventive Periodontics	Concepts, chair side preventive measures for dental diseases
		Chronic and aggressive periodontitis – Recognition, Features & Preventive Management
		Oral Hygiene measures, Correlation of brushing with periodontal diseases and other oral hygiene aids.
		Periodontal vaccine.
		Diet & Nutrition as related to periodontitis.
11.	<u>Module 11</u> Dental Plaque, Microbiology & Immunology as related to oral diseases	Definition, Initiation, Pathogenesis, Biochemistry, Morphology & Metabolism.
		Basic concepts, immune system in human body, Auto Immune diseases
		Detailed study of various microorganisms, association with Research.
		Histopathology, Pathogenesis, Immunology of Periodontal diseases, Oral Mucosal lesions etc.
12.	<u>Module 12</u> Gingival & Periodontal diseases	Normal Gingiva& Periodontium
		Gingival diseases: Etiology, Pathogenesis, Prevention & Management
		Periodontal diseases: Etiology, Pathogenesis, Prevention & Management
Topics Allotted to JR-II		
13.	<u>Module 13</u> Materials used in Periodontics	Hard tissue grafts, membranes,
		Implant Materials
		Details of brand name and marketing of various periodontal materials
		Recent advances in Tissue Engineering.
		Autologous materials (platelet concentrates etc.)
		Soft tissue grafts

14.	<u>Module 14</u> Periodontal surgical therapy Part I	Basics of periodontal therapy
		General Principles of periodontal surgery and surgical anatomy with related structures
		Sterilization and disinfection of periodontal instruments and materials
		Various Isolation Techniques
15.	<u>Module 15</u> Periodontal surgical therapy Part II	Gingival surgical techniques- curettage ,Gingivectomy, Gingivoplasty (All modalities) Periodontal flaps, Flaps for pocket therapy
		Resective osseous surgeries Reconstructive osseous surgeries Implant Surgical Techniques.
16.	<u>Module 16</u> Periodontics- Endodontics	Diagnosis of perio-endo diseases and their management - Pulp capping, Pulpotomy, Pulpectomy (Materials & Methods), Controversies & recent concepts
		Techniques and Materials used for different procedures
		Recent advances in Periodontics Endodontics
17.	<u>Module 17</u> Dental radiology & Prosthetic considerations in periodontics	Dental Radiology as related to Periodontics
		Recent advances of radiology (CBCT, Florida Probe, Subtraction Radiography, CADIA, and other recent advancements)
		Prosthetic considerations in periodontics.
18.	<u>Module 18</u> Traumatic Injuries	Classifications & Importance, Sequel & reaction of teeth to trauma
		Periodontal response to external forces.
		Occlusal analysis (T Scan) and correction methodologies.
		Management of jaw fractures in children
19.	<u>Module 19</u> Periodontal Plastic Surgeries	Objectives, etiology of marginal tissue recession
		Factors affecting surgical outcomes
		Techniques to increase attached gingival Vestibular deepening
		Frenectomy Frenotomy
		Criteria for selection of techniques, decision-making at the clinical level.

20.	<u>Module 20</u> Furcation involvement	Etiology, diagnosis and classification
		Local anatomic factors, anatomy of bony lesion
		Treatment modalities, Root resection, hemisection,
		Decision-making at the clinical level.
		Prognosis
21.	<u>Module 21</u> Oral Habits	Definition, etiology, classification, clinical features & management of various oral Habits
		Their effect on the Periodontium
22.	<u>Module 22</u> Periodontal maintenance	Definition Classification,
		Supportive periodontal treatment
		Results of periodontal treatment
23.	<u>Module 23</u> Oral manifestations of Systemic Conditions	Oral manifestations of Systemic Conditions & their Management.
		Oral manifestations of HIV & their Management.
24.	<u>Module 24</u> Periodontal Medicine	Historical background, Definition, etiology& Pathogenesis,
		Impact of periodontal infection on systemic health. Oral Malodor
25.	<u>Module 25</u> Diet	Role of diet and nutrition in periodontal health
		Dietary modifications & Diet counseling
Topics Allotted to JR-III		
26	<u>Module 26</u> Oral Medicine & Clinical Pathology Part I	Recognition & Management of Gingival and periodontal diseases
		Various drugs used in periodontics
		Desquamative Lesions
		Red & white & pigmented lesions of the oral mucosa.
27.	<u>Module 27</u> Oral Medicine & Clinical Pathology Part II	Benign & malignant lesions of the oral cavity
		Saliva, GCF and Salivary gland diseases
		Oral infectious diseases
		Temporomandibular disorders

28.	<u>Module 28</u> Congenital Abnormalities	Congenital Abnormalities Definition, Classification, Clinical features & Management.
		Different dental emergencies which occur in dental clinic and their Management.
29.	<u>Module 29</u> Preventive Dentistry & Dental Health Education	Definition, principles, scope & types of prevention
		Different preventive measures used in Dentistry
		Dental Health Education & School Dental Health Programmes
30.	<u>Module 30</u> Dental health & Medico legal aspects in Periodontics	Dental health concepts, Effects of civilization and the environment, Dental Health delivery system.
		Medico legal aspects with emphasis on informed concept
		Dental Ethics Dental insurance
32.	<u>Module 32</u> Bio-Statistics & Computers & Photography	Principles of Bio-Statistics & Research Methodology
		Understanding of Computers and Photography
33.	<u>Module 33</u>	Maintenance Therapy
		Preventive periodontics
34.	<u>Module 34</u> Library Thesis presentation by JR-III	Diet counseling in Periodontics
		Management of Medically compromised patients
		Endodontic Therapy in Periodontics
35.	<u>Module 35</u> Thesis topic presentation by JR-III	Thesis topic presentation

