

# **Department of Periodontics and Implantology (DMIMS)**

## **AIPHD-CET – Themes wise Syllabus**

### **Theme 1- Biologic Basis of Periodontology**

- Anatomy, Structure, and Function of the Periodontium
- Aging and the Periodontium
- Classification and Epidemiology of Periodontal Diseases
- Classification of Diseases and Conditions Affecting the Periodontium
- Fundamentals in the Methods of Periodontal Disease
- Epidemiology
- Etiology of Periodontal Disease
- Periodontal Disease Pathogenesis
- Biofilm and Periodontal Microbiology
- Practical Molecular Biology of Host–Microbe Interactions
- Resolution of Inflammation
- Precision Dentistry
- Smoking and Periodontal Disease
- The Role of Dental Calculus and Other Local
- Relationship between Periodontal Disease and Systemic Health
- Influence of Systemic Conditions
- Impact of Periodontal Infection on Systemic Health
- Gingival Pathology
- Defense Mechanisms of the Gingiva
- Gingival Inflammation
- Clinical Features of Gingivitis
- Gingival Enlargement
- Acute Gingival Infections
- Gingival Disease in Childhood
- Desquamative Gingivitis
- Periodontal Pathology
- The Periodontal Pocket
- Bone Loss and Patterns of Bone Destruction
- Periodontal Response to External Forces (TFO)
- Masticatory System Disorders That Influence the Periodontium
- Chronic Periodontitis
- Aggressive Periodontitis
- Necrotizing Ulcerative Periodontitis
- Pathology and Management of Periodontal Problems

## **Theme 2- Non-surgical Periodontal Therapy**

- Diagnosis, Prognosis, and Treatment Plan
- Periodontal Examination and Diagnosis
- Radiographic Aids in the Diagnosis of Periodontal Disease
- Clinical Risk Assessment
- Determination of Prognosis
- The Treatment Plan
- Management of Patients with Special Needs
- Periodontal Treatment of Medically Compromised Patients
- Sleep-Disordered Breathing
- Periodontal Therapy in the Female Patient
- Periodontal Treatment for Older Adults
- Treatment of Aggressive and Atypical Forms of
- Diagnosis and Treatment of Periodontal Emergencies
- Treatment of Periodontal Abscess
- Endodontic-Periodontic Lesions
- Phase I Periodontal Therapy
- Plaque Biofilm Control for the Periodontal Patient
- Breath Malodor
- Scaling and Root Planing\*
- Sonic and Ultrasonic Instrumentation and Irrigation
- Systemic Anti-infective Therapy for Periodontal Diseases
- Locally Delivered, Controlled-Release Antimicrobials
- Host Modulation
- Occlusal Evaluation and Therapy
- Orthodontics and its interrelationship

## **Theme 3- Surgical Periodontal Therapy**

- Phase II Periodontal Therapy
- Periodontal and Peri-Implant Surgical Anatomy
- General Principles of Periodontal Surgery
- Periodontal Surgical Therapy
- Treatment of Gingival Enlargement
- Resective Osseous Surgery
- Periodontal Regeneration and Reconstructive Surgery
- Furcation
- Periodontal Plastic and Aesthetic Surgery
- Leukocyte- and Platelet-Rich Fibrin
- Periodontal Microsurgery
- Lasers in Periodontal and Peri-implant Therapy
- Periodontal-Restorative Interrelationships

- Preparation of the Periodontium for Restorative Interrelationships
- Multidisciplinary Versus Interdisciplinary Approaches to Dental and Periodontal Problems
- Supportive Care and Results of Periodontal Treatment

#### **Theme 4- Basic Oral Implantology**

- Rationale for Dental Implants
- Biomechanical Properties of Dental Implants
- Fundamental Science
- Implant Surgery
- Treatment Planning Principles
- Edentulous Site Treatment Planning
- Single and Multiple Tooth Replacement
- Treatment

#### **Theme 5- Advanced Oral Implantology**

- Soft and Hard Tissue Rehabilitation
- Atraumatic Tooth Extraction and Socket Grafting
- Maxillary Sinus Anatomy, Pathology, and Graft Surgery
- Intraoral Autogenous Bone Grafting,
- Extraoral Bone Grafting for Implant
- Reconstruction,
- The Use of Botox and Dermal Fillers in Oral Implantology
- Dental Implant Maintenance
- Peri-Mucositis and Peri-Implantitis
- Diagnosis, Classification, Etiologies, and Therapies
- Implant Maintenance: Long-term Implant Success