BABAFARIDUNIVERSITY OFHEALTH SCIENCES

PHD -104:CLINICAL PERIODONTOLOGY
(Semester-I)

L+T+P+D	:	3+0+0+0	**Relativeweightage**		
Credits:	:	3	InternalAssessment/Exam	:	20
Contacthours	:	42	End-semesterExamination	:	80

Unit	Content	Lectures
I	Acute Periodontal Infections and Management, Halitosis (Breath Malodor), Periodontal Response to External Forces, Masticatory System Disorders That Influence the Periodontium, Role of Occlusion and TMD in Periodontal Disease Management	8
II	Levels of Clinical Significance, Periodontal Examination, Radiographic Aids in the Diagnosis of PeriodontalDisease, Periodontal Risk Assessment, Determination of Prognosis	7
III	Periodontal Treatment Plan, Nonsurgical Phase of Periodontal Therapy, Clinical Practice Guideline for Treatment ofPeriodontitis, Restorative Interrelationships	8
IV	Multidisciplinary Versus InterdisciplinaryApproaches to Dental and Periodontal Problems, Periodontal Referral, Orthodontics in Periodontal Therapy, Endo-Perio Lesions: Pathogenesis, Diagnosis, andTreatment Considerations, Plaque Biofilm Control for the PeriodontalPatient	10
V	Scaling and Root Instrumentation(Root Planing), Sonic and Ultrasonic Instrumentation andIrrigation, Chemotherapy: Use of Systemic Antibiotics, Locally Delivered, Controlled-ReleaseAntimicrobials, Host Modulation	9
	Total	**42**

References:

1. Newman and Carranza's Clinical Periodontology and Implantology 14th Edition
2. Lindhe's Clinical Periodontology and Implant Dentistry 7th Edition
3. Misch's Contemporary Implant Dentistry 4th Edition
4. Principles and Practice of Implant Dentistry by Charles M and Adam Weiss
5. Oral Implantology: Assessment to Management by Craig Barel

BABAFARIDUNIVERSITYOF HEALTH SCIENCES

PHD -105:CLINICAL PERIODONTOLOGY
(Semester-I)

L+T+P+D	:	3+0+0+0	**Relativeweightage**		
Credits:	:	3	InternalAssessment/Exam	:	20
Contacthours	:	42	End-semesterExamination	:	80

Unit	Contents	Lectures
I	Surgical Phase of Periodontal Therapy, Surgical Training and Technology, Sedation in Periodontics and Implant Surgery	9
II	Periodontal and Peri-Implant SurgicalAnatomy, General Principles of Periodontal Surgery, Periodontal Surgical Therapy	10
III	Pocket Reduction Therapy—ResectiveApproach, Periodontal Regeneration, Lasers in Periodontal and Peri-ImplantTherapy	9
IV	Periodontal Plastic and Esthetic Surgery, Preparation of the Periodontium for RestorativeDentistry, Periodontal Treatment of Medically ComplexPatients	8
V	Periodontal Microsurgery, Diagnosis and Management of PeriodontalAbscesses, Supportive Periodontal Treatment	6
	Total	**42**

References:

1. Newman and Carranza's Clinical Periodontology and Implantology 14th Edition
2. Lindhe's Clinical Periodontology and Implant Dentistry 7th Edition
3. Misch's Contemporary Implant Dentistry 4th Edition
4. Principles and Practice of Implant Dentistry by Charles M and Adam Weiss
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BABAFARIDUNIVERSITYOF HEALTH SCIENCES

PHD -106:CONTEMPORARY IMPLANT SURGICAL DENTISTRY AND PROSTHETICS (Semester-I)

L+T+P+D	:	2+0+0+0	**Relativeweightage**		
Credits:	:	2	InternalAssessment/Exam	:	20
Contacthours	:	28	End-semesterExamination	:	80

Unit	Contents	Lectures
I	Rationale for Dental Implants, Terminology in Implant Dentistry, Generic Root Form Component Terminology, Functional Basis for Implant Design, Scientific Rationale for Dental Implant Design	6
II	Bone Physiology, Bone Metabolism and Biomechanics, Bone Response to Mechanical Loads, Bone Density as a Determinant for Implant Treatment	4
III	Biomaterials for Dental Implants, Dental Implant Surfaces, Clinical Biomechanics in Implant Dentistry, Stress Treatment Theorem for Implant Dentistry	5
IV	Medical Evaluation of Dental Implant Patients, Pharmacology in Implant Dentistry, Radiographic Imaging and Evaluation in Implant Dentistry	6
V	Applied Anatomy for Dental Implants, Mandibular and Maxillary Anatomic Considerations for Implant Surgery, Dental Implant Infections and Complications	7
	Total	**28**

References:

1. Newman and Carranza's Clinical Periodontology and Implantology 14th Edition
2. Lindhe's Clinical Periodontology and Implant Dentistry 7th Edition
3. Misch's Contemporary Implant Dentistry 4th Edition
4. Principles and Practice of Implant Dentistry by Charles M and Adam Weiss
5. Oral Implantology: Assessment to Management by Craig Barclay

BABAFARIDUNIVERSITY OF HEALTH SCIENCES

PHD -107:CONTEMPORARY IMPLANT SURGICAL DENTISTRY AND PROSTHETICS (Semester-I)

L+T+P+D	:	2+0+0+0	**Relativeweightage**		
Credits:	:	2	InternalAssessment/Exam	:	20
Contacthours	:	28	End-semesterExamination	:	80

Unit	Contents	Lectures
I	Interactive Computer Tomography in Implant Treatment Planning, Diagnostic Casts, Surgical Templates and Provisionalization	6
II	Available Bone and Dental Implant Treatment Plans, Implant Body Size and Implant Number Determination, Force Factors Related to Patient Conditions	4
III	Treatment Planning for Partially and Completely Edentulous Arches, Key Implant Positions in Treatment Planning	6
IV	Single and Multiple Tooth Replacement: Treatment Options and Indications, Maxillary Anterior and Posterior Implant Restoration Planning	5
V	Treatment Planning for Edentulous Posterior Maxilla, Edentulous Mandible and Maxilla: Fixed vs Removable Prosthesis Options	7
	Total	**28**

References:

1. Newman and Carranza's Clinical Periodontology and Implantology 14th Edition
2. Lindhe's Clinical Periodontology and Implant Dentistry 7th Edition
3. Misch's Contemporary Implant Dentistry 4th Edition
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BABAFARIDUNIVERSITYOF HEALTH SCIENCES

PHD -108:CONTEMPORARY IMPLANT SURGICAL DENTISTRY AND PROSTHETICS (Semester-I)

L+T+P+D	:	2+0+0+0	**Relativeweightage**		
Credits:	:	2	InternalAssessment/Exam	:	20
Contacthours	:	28	End-semesterExamination	:	80

Unit	Contents	Lectures
I	Basic Surgical Techniques and Armamentarium, Implant Placement Surgical Protocol, Ideal Implant Positioning	7
II	Immediate Implant Placement, Immediate Loading and Restoration, Atraumatic Tooth Extraction and Socket Grafting	5
III	Bone Substitutes and Membranes, Guided Bone Regeneration (GBR), Maxillary Sinus Anatomy and Sinus Grafting Procedures	6
IV	Intraoral and Extraoral Autogenous Bone Grafting, Peri-implant Prosthodontic Factors in Surgical Planning	6
V	Peri-mucositis and Peri-implantitis: Diagnosis, Classification, Etiology and Therapy, Implant Maintenance and Long-Term Implant Success, Digital Technology in Implant Dentistry	4
	Total	**28**

References:

1. Newman and Carranza's Clinical Periodontology and Implantology 14th Edition
2. Lindhe's Clinical Periodontology and Implant Dentistry 7th Edition
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BABAFARIDUNIVERSITYOF HEALTH SCIENCES

PHD -121::CREDITSEMINAR
(Semester-I)

L+T+P+D	:	0+1+0+0	**Relativeweightage**		
Credits:	:	1	InternalAssessment/Exam	:	20
Contacthours	:	14	End-semesterExamination	:	80

Unit	Contents	Lectures
I	Research presentations on postgraduate/PhD projects and important publications in **Periodontology**, with emphasis on periodontal disease, regeneration, and the role of dental implants in periodontal patients.	2
II	Presentation of important research articles related to **periodontal therapy, peri-implant tissues, implant surfaces, and regenerative procedures**. Training in reading and understanding scientific articles.	3
III	Critical discussion and evaluation of periodontal and implant research including **study design, methods, results, and clinical relevance**.	3
IV	Training in **scientific writing**, preparation of article summaries, referencing (Vancouver style), and understanding **publication ethics and plagiarism**.	3
V	Assessment based on **presentations, participation in discussions, written assignments, and final seminar presentation** related to periodontology with minor implant aspects.	3
	Total	**14**

References:

1. Newman and Carranza's Clinical Periodontology and Implantology 14th Edition
2. Lindhe's Clinical Periodontology and Implant Dentistry 7th Edition
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