



UNIVERSITY OF HEALTH SCIENCES

KHAYABAN-E-JAMIA PUNJAB, LAHORE.

OFFICE: 042-99231304-09, EXT: 392 FAX 042-99231857

Zero Semester Curriculum for MPhil Oral Pathology

University of Health Sciences, Lahore

1. Name of Program

MPhil Oral Pathology

2. Title of Course

Zero Semester (Pre-MPhil Orientation and Training)

3. Course Type

Mandatory (Non-Credit / Qualifying)

4. Duration

12 Weeks

5. Teaching / Training Institutions

- University of Health Sciences (UHS), Lahore.
- de'Montmorency College of Dentistry, Lahore.
- Services Institute of Medical Sciences, Lahore.
- Fatima Jinnah Institute of Dentistry, Lahore.
- Jinnah Hospital Lahore.

6. Rationale of the Zero Semester

The Zero Semester is designed to orient incoming MPhil Oral Pathology students to the academic, clinical, laboratory, and research requirements of the program. It aims to strengthen foundational knowledge, provide supervised clinical exposure, and familiarize students with histopathology grossing and reporting prior to commencement of formal coursework.

7. Course Objectives

- Understand academic regulations and structure of the MPhil program
- Apply foundational concepts of oral pathology
- Observe and correlate clinical findings with histopathological diagnosis
- Demonstrate basic understanding of histopathology grossing and reporting
- Understand principles of research methodology and scientific writing



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8. Course Contents, Teaching Strategy & Assessment

Week	Theoretical Topics / Didactic Sessions	Clinical/Practical Activities	Learning Outcomes	Setting
Week 1	Orientation & Introduction: <ul style="list-style-type: none"> • Overview of MPhil Oral Pathology program • Goals, expectations, and assessment methods • Introduction to oral pathology workflow: Clinical → Biopsy → Grossing → Histopathology → Reporting 	<ul style="list-style-type: none"> • Orientation and Introduction to equipment and resources 	<ul style="list-style-type: none"> • Understand program structure and objectives • Learn laboratory and clinical safety • Familiarity with departmental workflow 	University of Health Sciences (UHS), Lahore
Week 2	Oral Histology & Normal Oral Tissues <ul style="list-style-type: none"> • Tooth, pulp, periodontium, oral mucosa • Bone, salivary glands • Basic microscopy techniques 	<ul style="list-style-type: none"> • Observation of normal tissue slides in histopathology • Introduction to light microscopy 	<ul style="list-style-type: none"> • Identify normal histological features of oral tissues • Develop basic slide examination skills 	Department of Anatomy, University of Health Sciences (UHS), Lahore
Week 3	Inflammatory and Reactive Lesions <ul style="list-style-type: none"> • Acute & chronic inflammation • Fibrous hyperplasia, pyogenic granuloma, irritational lesions 	Observation of grossing of biopsy specimens under supervision	<ul style="list-style-type: none"> • Correlate clinical features with histopathology • Learn standard grossing techniques 	Department of Histopathology and Oral Pathology, University of Health Sciences (UHS), Lahore/ de'Montmorency College of Dentistry, Lahore
Week 4	Odontogenic Cysts and Tumors Classification	Clinical case presentations	<ul style="list-style-type: none"> • Recognize cysts & tumors clinically 	de'Montmorency College of Dentistry, Lahore/Fatima Jinaah Institute of Dental Sciences
Week 5	Clinical presentation, Radiographic correlation			
Week 6	Oral Potentially Malignant Disorders (OPMDs) <ul style="list-style-type: none"> • Leukoplakia, Erythroplakia, Lichen planus 	Clinical case presentations	<ul style="list-style-type: none"> • Understand clinical identification & risk assessment of OPMDs • Correlate clinical and histological features 	de'Montmorency College of Dentistry, Lahore. / de'Montmorency College of Dentistry, Lahore/Fatima
Week 7	<ul style="list-style-type: none"> • Risk factors, malignant transformation 			



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				Jinaah Institute of Dental Sciences
Week 8	Oral Cancers • Squamous cell carcinoma & variants	Clinical patient observation	• Learn clinical features and staging principles	de'Montmorency College of Dentistry, Lahore. / Jinnah Hospital Lahore
Week 9	• Early vs late lesions • TNM staging overview			
Week 10	Salivary Gland Pathology • Tumors, cysts, inflammatory lesions • Histopathological patterns	Clinical case presentations	• Identify salivary gland lesions microscopically • Correlate clinical and histopathology findings	de'Montmorency College of Dentistry, Lahore. / Jinnah Hospital Lahore
Week 11	Bone and Soft Tissue Lesions • Benign vs malignant bone tumors • Fibro-osseous lesions	Clinical case presentations	• Develop differential diagnosis for bone lesions • Integrate clinical, radiographic, and histological data	de'Montmorency College of Dentistry, Lahore. / Jinnah Hospital Lahore
Week 12	Basic introduction to Oral Cytology & Special Techniques • Smears, and brush biopsies,	Prepare cytology smears	• Basic skills in cytology and special staining • Understand adjunct diagnostic techniques	Department of Oral Pathology and Histopathology, UHS, Lahore.
Week 1-12*	Grossing and Reporting • Standard histopathology reporting format • Case portfolio preparation	Observe and perform grossing and reporting under supervision.	• Prepare structured histopathology reports • Learn to integrate clinical findings with laboratory data	Department of Histopathology, UHS, Lahore.
Week 1-12*	Scientific Writing & Academic Skills	Introduction to scientific writing, Reviewing, summarizing, and presenting recent research articles	Literature appraisal, presentation skills, communication.	Department of Oral Pathology, UHS, Lahore.
<u>MANDATORY SKILL BASED WORKSHOPS</u> • Basic Microscopy Techniques • Smear Preparation Techniques • Basic Diagnostic Procedures: Fine Needle Aspiration Cytology (FNAC) • Fundamentals of Polymerase Chain Reaction (PCR)				



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* The sessions on grossing and reporting, as well as Scientific Writing & Academic Skills, will be held weekly at UHS, following clinical rotations at designated training sites.

Completion Requirement

Successful completion of the Zero Semester is mandatory prior to commencement of the MPhil Oral Pathology program.



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DAILY PERFORMANCE REPORT(DPR)

1. TRAINEE INFORMATION

Name of Postgraduate Student: _____ Department/Program: _____

Rotation/Section: _____ Host Institution: _____

Focal Person/ Supervisor: _____ Date: _____

2. DAILY ATTENDANCE & TIMINGS

Arrival Time: _____

Departure Time: _____

3. ACTIVITIES PERFORMED TODAY

A. Laboratory / Diagnostic Work (Histopathology/Cytopathology/Advanced techniques in Pathology/Molecular Pathology):

- ☐ Grossing and sample processing of Surgical Specimens ☐ FNAC and sample processing of Cytology Specimens
- ☐ Microscopy ☐ Equipment use

Domain	Activity	Observed / Performed	Supervisor Remarks
Gross Examination/FNAC			
Tissue Processing/FNAC Processing			
Microscopic Assessment			
Synoptic Reporting			
Correlation & Final Interpretation.			



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4. Daily Reflection (Trainee)

5. Supervisor's Comments

6. Signatures

Postgraduate Student: _____

Focal Person / Supervisor: _____

UHS Coordinator (If applicable): _____



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END OF ROTATION EVALUATION PROFORMA

Zero Module – MPhil Postgraduate Students

1. Trainee Information

Field	Details	Field	Details
Name of Postgraduate Student		Program	
Discipline		Rotation Title	
Host Institution / Department		Rotation Duration	
Supervisor (Focal Person)		Evaluation Date	

2. Evaluation Criteria

Criteria	Excellent (5)	Good (4)	Satisfactory (3)	Needs Improvement (1-2)
1. Punctuality & Attendance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Professional Behavior & Ethics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Laboratory / Diagnostic Competency (Where applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Clinical Reasoning & Case Understanding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Execution of Required Skills / Procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Documentation, Reporting & Record Keeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Communication with Faculty / Staff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Teamwork & Cooperation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Critical Thinking & Problem Solving	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Overall Professional Attitude	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Supervisor's Narrative Evaluation

Strengths:

Areas Needing Improvement:

Recommendations:



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4. **Final Evaluation:**

5. **Signatures**

Role	Name	Signature	Date
Supervisor / Focal Person			
Postgraduate Student			
UHS Coordinator (If applicable)			