# Oral Pathology Syllabus for English-Speaking Students

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>Semester</th>
<th>Total</th>
<th>Lectures</th>
<th>Practicals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Pathology</td>
<td>VI</td>
<td>30</td>
<td>15</td>
<td>15</td>
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## Academic Hours in Years and Semesters

<table>
<thead>
<tr>
<th></th>
<th>I year</th>
<th>II year</th>
<th>III year</th>
<th>IV year</th>
<th>V year</th>
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<tr>
<td>Lectures</td>
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<td>Practical</td>
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- 15 Lecture hours
- 15 Exercise hours

## Forms of Assessment:
- Ongoing Monitoring, Monitoring Tests, Semester Examination

## Forms of Training:
- Lectures
- Practical Exercises
- Clinical Demonstration
- Self-Study

## Course Length:
One Semester (VIth)

## Academic Hours:
- 15 Lecture hours
- 15 Exercise hours

## Training Methods:
- Multimedia Presentations
- Discussions, Monitoring Tests
- Figures, Interpretation of Case Reports
- Practical Tasks Solving

## Type of Discipline:
Compulsory

## Degree:
Master Degree

## Forms of Assessment:
Ongoing Monitoring, Monitoring Tests, Semester Examination

## Formation of Ongoing Monitoring:
Average assessment grade per semester.

## Aspects of Assessment:
- Participation in discussions
- Monitoring tests

## Semester Examination:
Test, written and oral examination.

## State Examination:
NO

## Tutor:
Department of Periodontics
Habilitated Associated Professor of Oral Pathology
Assoc.Prof. Georgi Tomov, PhD
Annotation
Oral Pathology is a non-surgical specialty that includes investigation, diagnosis and therapeutic management into medically related oral diseases and the oral and maxillofacial manifestations of systemic diseases. The discipline concerned with the oral health care of patients with chronic recurrent and medically related disorders of the oral and maxillofacial region, and with their diagnosis and non-surgical management. It is also concerned with the investigation of the pathogenesis of these disorders leading to understanding which may be translated into clinical practice.

Course Description
The course consists 30 academic hours:
• 15 hours of lectures;
• 15 hours of exercises.

Evaluation of the Knowledge
Formed by the average current rating, assessment of the tests, assessment of the practical tasks, and assessment of the theory exam.

Aspects of Assessment:
• Participation in discussions;
• Tests;
• Description of microscopic preparations;
• Result of exam.

Aids in Teaching
Multimedia presentation, tests, microscopic observations, clinical demonstrations

Purpose of the Curriculum
On completion of semester the student must be capable of history taking, extraoral and intraoral physical examination, interpretation of investigations, diagnosis and treatment planning at non-specialist level.

Tasks of the Program
The five aspects in which students are expected to gain experience include:
• Diagnosis and management of diseases specific to the orofacial region;
• Diagnosis and management of patients with orofacial manifestations of systemic disease;
• Management of medically compromised patients who require oral health care;
• Development of those practical skills necessary for the practice of the oral pathology;
• To develop an area of expertise and research skills necessary for the investigation of conditions which present to oral physicians.

Expected Results
• The student will have the basic necessary skills to understand, diagnose, and treat non-surgically diseases specific to the orofacial region and to diagnose and manage patients with orofacial manifestations of systemic diseases.
• The student will be in a position to recognize health problems which require interdisciplinary management and collaboration with other specialists outwith the oral medical field and be capable of initiating appropriate referral.

2. Classification of oral mucosa lesions.


6. Pathological changes in oral cavity as a result of external noxa (traumatic, chemical, thermal, radiation and electricity).

7. Pathological changes in oral cavity as a result of addictions (tabacism, drug abuse, alcoholism).


Diagnosis, differential diagnosis and treatment considerations.


22. Oral manifestations of HIV and AIDS. Diagnostic and treatment considerations.


25. Lips disorders (congenital, inherited, acquired and disorders with unknown etiology). Diagnosis, differential diagnosis and treatment considerations.

26. Tongue disorders (congenital, inherited, acquired and disorders with unknown etiology). Diagnosis, differential diagnosis and treatment considerations.

27. Oro-facial syndromes and rare diagnosed diseases with oral manifestations. Steven – Johnson and Behçet syndromes.


**Final examination consists of the following elements:**

- **Placement test of 20 questions.** (20 minutes duration). 70% correct answers are conditional to continue.

- **Written examination consists of one question (one hour duration).** The topics are relevant to subject syllabus.

- **Viva voce is the final part in order to assess the candidate for comprehension, analytical approach, expression and interpretation of data. It includes all components of course content.**
## Lecture Program Of The Course

Workload: 15h lectures (15 lectures of 45 minutes each)

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<thead>
<tr>
<th>№</th>
<th>TOPIC</th>
<th>HORARIUM</th>
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<tbody>
<tr>
<td>1.</td>
<td>Oral cavity – anatomical and physiological specificities. Common pathological processes affecting the epithelium and connective tissue during oral cavity diseases.</td>
<td>45 min</td>
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<tr>
<td>2.</td>
<td>Methods for examination in oral cavity diseases. Anamnesis and clinical examination Diagnosis, differential diagnosis and treatment plan build up. Interdisciplinary management and collaboration with other specialists.</td>
<td>45 min</td>
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<tr>
<td>3.</td>
<td>Pathological changes in oral cavity as a result of external noxa and addictions.</td>
<td>45 min</td>
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<tr>
<td>4.</td>
<td>Pathological changes in oral cavity as a result of bacterial and mycotic infections.</td>
<td>45 min</td>
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<tr>
<td>5.</td>
<td>Etiology, pathogenesis and symptoms of changes in oral cavity in viral infectious diseases. Viral hepatitis – importance for dental practice.</td>
<td>45 min</td>
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<tr>
<td>6.</td>
<td>Ulcerative diseases of oral mucosa.</td>
<td>45 min</td>
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<td>7.</td>
<td>Dermatostomatitis. Vesiculobullous diseases and collagenosis affecting oral cavity.</td>
<td>45 min</td>
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<tr>
<td>8.</td>
<td>Pigmented lesions of oral mucosa</td>
<td>45 min</td>
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<td>9.</td>
<td>Precancerous lesions and cancer in oral cavity.</td>
<td>45 min</td>
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<tr>
<td>11.</td>
<td>Oral symptoms in renal and urinary tract diseases.</td>
<td>45 min</td>
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<tr>
<td>12.</td>
<td>Oral symptoms in immunodeficiency conditions. HIV and AIDS. Oral pathology in oncological patients.</td>
<td>45 min</td>
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<tr>
<td>14.</td>
<td>Lips and tongue disorders.</td>
<td>45 min</td>
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<tr>
<td>15.</td>
<td>Oro-facial syndromes and rare diagnosed diseases with oral manifestations.</td>
<td>45 min</td>
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## Practical Exercise Program

Workload: 15h practical exercises (8 exercises of 90 minutes each)

| #1 EXE | **Topic:** Histology of the oral mucosa. Common pathological processes in the epithelium and connective tissue related to different diseases of the oral cavity.  
**Practical part:** Microscopic observation of the histological samples of the most common diseases in the oral cavity. |
|---|---|
| #2 EXE | **Topic:** Saliva  
1. **Theoretical part:**  
1.1. Salivary glands and saliva (quantity, composition, functions)  
1.2. Xerostomia - aetiology and clinical findings; Impact on the oral mucosa and HDT. Treatment guidelines.  
1.3. Importance of saliva as a biological material for oral health assessment; Assays for testing saliva.  
2. **Practical part:**  
2.1. Clinical examination of salivary glands  
2.2. Quantitative evaluation of saliva (sialometry)  
2.3. Qualitative evaluation of saliva:  
   - pH evaluation of saliva (clinical examples for alkaline and acidic pH)  
   - Evaluation of the buffering capacity of saliva; clinical significance  
   - Evaluation of the microbial load of saliva; clinical applications  
   - Saliva as a marker for diagnostic of certain infectious diseases and drug abuse. |
| #3 EXE | **Topic:** Oral Candidiasis  
1. **Theoretical part –** Aetiology and predisposing factors; Pathogenesis; Clinical forms and treatment (local and general)  
2. **Practical part –** Methods of testing:  
2.1. Taking material (sampling) for microbiological examination  
2.2. CAT- test (clinical demonstration) |
| #4 EXE | **Topic:** Precancerous lesions and pigmented lesions  
2. **Practical part** – Assessment of oral mucosa in normal, precancer and cancer  
   2.1. Supravital staining  
   2.2. Chemiluminescent illumination (demonstration of VELscope)  
   2.3. Oral exfoliative cytology  
   2.4. Biopsy – types and indications; Practical work on animal material and clinical demonstration by assistant  
   2.5. Filling out the pathology requisition form |
| --- | --- |
| #5 EXE | **Topic:** Vesicle - bullous disease and ulcerative diseases of the oral mucosa. Autoimmune diseases with manifestations in the oral cavity.  
1. **Theoretical part**  
2. **Practical part**  
   2.1. Demonstration of photodynamic therapy  
   2.2. Occlusive steroid therapy using individual plastic stent - demonstration |
| #6 EXE | **Topic:** Oral manifestations of systemic diseases. Endocrine system and excretory system diseases. HIV and AIDS. Guidelines for dental treatment of patients with comorbidities.  
Practical part: Solving familiar and less familiar clinical cases with self-explanation. Clinical demonstrations |
Practical part: Solving familiar and less familiar clinical cases with self-explanation. Clinical demonstrations |
| #8 EXE | **Authentication:** |

**Recommended Literature**  

**Contact Person**  
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