



MEDICAL
UNIVERSITY,
PLOVDIV

FACULTY OF
DENTAL
MEDICINE



DIVISION OF
ORAL PATHOLOGY

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ADDRESS
Faculty of Dental
Medicine, 3th floor,
3 Hristo Botev Blvd.,
Plovdiv 4000, BULGARIA

GPS coordinates
N 42°08'05.1"
E 024°44'03.0"

E-MAIL
office@oralpathology.info

EDITION: February 2015



www.oralpathology.info/en

Oral Pathology Syllabus for English-Speaking Students

DISCIPLINE	Semester Exam	Academic Hours			Academic Hours in Years and Semesters															
		Total	Lectures	Practicals	I year		II year		III year		IV year		V year							
					I	II	III	IV	V	VI	VII	VIII	IX	X						
					L	P	L	P	L	P	L	P	L	P	L	P				
Oral Pathology	VI	30	15	15								1	1							

Type of Discipline:
Compulsory

Degree:
Master Degree

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

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

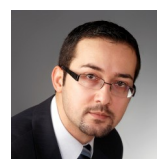
Formation of Ongoing Monitoring:
Average assessment grade per
semester.

Aspects of Assessment:

- Participation in discussions,
- Monitoring tests.

Semester Examination:
Test, written and oral examination.

State Examination: NO



Tutor:
Department of
Periodontics
Habilitation Associated
Professor of Oral
Pathology
Assoc. Prof. Georgi
Tomov, PhD



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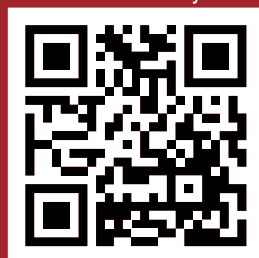
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Annotation

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.

SYLLABUS FOR THE EXAM



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Syllabus For The Exam

1. Oral cavity – anatomical and physiological specificities. Common pathological processes affecting the epithelium and connective tissue during oral cavity diseases.
2. Classification of oral mucosa lesions.
3. Methods for examination in oral cavity diseases. Anamnesis and clinical examination.
4. Methods for examination in oral cavity diseases. Paraclinical examination – interpretation. Supravital staining of oral mucosa.
5. Quantitative and qualitative saliva examination (pH, buffer capacity, microbial contamination). Clinical importance. Diagnosing eating disorders.
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).
8. Etiology, pathogenesis and symptomatic of changes in oral cavity in mycotic infections. Oral candidiasis – acute forms. Diagnostic and treatment.
9. Etiology, pathogenesis and symptomatic of changes in oral cavity in mycotic infections. Oral candidiasis – chronic forms. Diagnostic and treatment.
10. Etiology, pathogenesis and symptoms of changes in oral cavity in infectious diseases. Viral infectious diseases with oral manifestations. Gingivostomatitis herpetica, Herpes simplex, Herpangina and Hand, foot and mouth disease.
11. Etiology, pathogenesis and symptoms of changes in oral cavity in infectious diseases. Viral infectious diseases with oral manifestations. Varicella and Herpes Zoster, Infectious mononucleosis, influenza, measles.
12. Etiology, pathogenesis and symptoms of changes in oral cavity in infectious diseases. Bacterial infectious diseases with oral manifestations. Scarletina, actinomycosis, syphilis and tuberculosis.
13. Ulcerative diseases of oral mucosa – etiology and pathogenesis. Classification of oral mucosa aphthous ulcers. Diagnosis, differential diagnosis and treatment considerations.
14. Ulcerative diseases of oral mucosa – etiology and pathogenesis. Classification of oral mucosa ulcers.





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Diagnosis, differential diagnosis and treatment considerations.

15. Dermatostomatitis. Vesiculobullous diseases affecting oral cavity. Diagnostic and treatment modalities.
16. Precancerous lesions - obligate and facultative. Diagnosis, differential diagnosis and dentist's responsibilities.
17. Pigmented lesions of oral mucosa. Classification. Diagnosis, differential diagnosis and dentist's responsibilities.
18. Oral manifestations of endocrine disorders. Dentist's responsibilities.
19. Diabetes and oral health. Dentist's responsibilities.
20. Pregnancy and oral health. Dentist's responsibilities.
21. Oral manifestations of renal and urinary tract disorders. Transplanted patients. Dentist's responsibilities.
22. Oral manifestations of HIV and AIDS. Diagnostic and treatment considerations.
23. Oral pathology in oncological patients. Effects of chemotherapy and radiotherapy. Preventive and treatment strategies.
24. Oral symptoms in eating disorders. (bulimia, anorexia and bigorexia). Preventive and treatment strategies.
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.
28. Oro-facial syndromes and rare diagnosed diseases with oral manifestations. Mikulicz and Sjogren syndromas.
29. Oro-facial syndromes and rare diagnosed diseases with oral manifestations. Melkersson – Rosenthal and Reiter syndromes.
30. Oro-facial syndromes and rare diagnosed diseases with oral manifestations. Down, Papillon – Lefevre and Lazy leucocyte 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.



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Lecture Program Of The Course

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

No	TOPIC	HORARIUM
1.	Oral cavity – anatomical and physiological specificities. Common pathological processes affecting the epithelium and connective tissue during oral cavity diseases.	45 min
2.	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.	45 min
3.	Pathological changes in oral cavity as a result of external noxa and addictions.	45 min
4.	Pathological changes in oral cavity as a result of bacterial and mycotic infections.	45 min
5.	Etiology, pathogenesis and symptoms of changes in oral cavity in viral infectious diseases. Viral hepatitis – importance for dental practice.	45 min
6.	Ulcerative diseases of oral mucosa.	45 min
7.	Dermatostomatitis. Vesiculobullous diseases and collagenosis affecting oral cavity.	45 min
8.	Pigmented lesions of oral mucosa	45 min
9.	Precancerous lesions and cancer in oral cavity.	45 min
10.	Oral symptoms in vascular and hematological diseases. Oral symptoms in endocrine disorders. Pregnancy and oral health.	45 min
11.	Oral symptoms in renal and urinary tract diseases.	45 min
12.	Oral symptoms in immunodeficiency conditions. HIV and AIDS. Oral pathology in oncological patients.	45 min
13.	Neurostomatological syndromes. Oral manifestations of psychiatric disorders. Eating disorders.	45 min
14.	Lips and tongue disorders.	45 min
15.	Oro-facial syndromes and rare diagnosed diseases with oral manifestations.	45 min



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Practical Exercise Program

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

#1 EXE	<p>Topic: Histology of the oral mucosa. Common pathological processes in the epithelium and connective tissue related to different diseases of the oral cavity.</p> <p><u>Practical part:</u> Microscopic observation of the histological samples of the most common diseases in the oral cavity.</p>
#2 EXE	<p>Topic: Saliva</p> <ol style="list-style-type: none"><u>Theoretical part:</u><ol style="list-style-type: none">Salivary glands and saliva (quantity, composition, functions)Xerostomia - aetiology and clinical findings; Impact on the oral mucosa and HDT. Treatment guidelines.Importance of saliva as a biological material for oral health assessment; Assays for testing saliva.<u>Practical part:</u><ol style="list-style-type: none">Clinical examination of salivary glandsQuantitative evaluation of saliva (sialometry)Qualitative evaluation of saliva:<ul style="list-style-type: none">pH evaluation of saliva (clinical examples for alkaline and acidic pH)Evaluation of the buffering capacity of saliva; clinical significanceEvaluation of the microbial load of saliva; clinical applicationsSaliva as a marker for diagnostic of certain infectious diseases and drug abuse.
#3 EXE	<p>Topic: Oral Candidiasis</p> <ol style="list-style-type: none"><u>Theoretical part</u> – Aetiology and predisposing factors; Pathogenesis; Clinical forms and treatment (local and general)<u>Practical part</u> – Methods of testing:<ol style="list-style-type: none">Taking material (sampling) for microbiological examinationCAT- test (clinical demonstration)



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#4 EXE	<p>Topic: Precancerous lesions and pigmented lesions</p> <ol style="list-style-type: none">1. <u>Theoretical part</u> - facultative and obligate precancerous lesions in oral cavity. Pigmented lesions.2. <u>Practical part</u> – Assessment of oral mucosa in normal, precancer and cancer<ol style="list-style-type: none">2.1. Supravital staining2.2. Chemiluminescent illumination (demonstration of VELscope)2.3. Oral exfoliative cytology2.4. Biopsy – types and indications; Practical work on animal material and clinical demonstration by assistant2.5. Filling out the pathology requisition form
#5 EXE	<p>Topic: Vesicle - bullous disease and ulcerative diseases of the oral mucosa. Autoimmune diseases with manifestations in the oral cavity.</p> <ol style="list-style-type: none">1. <u>Theoretical part</u>2. <u>Practical part</u><ol style="list-style-type: none">2.1. Demonstration of photodynamic therapy2.2. Occlusive steroid therapy using individual plastic stent - demonstration
#6 EXE	<p>Topic: Oral manifestations of systemic diseases. Endocrine system and excretory system diseases. HIV and AIDS. Guidelines for dental treatment of patients with comorbidities.</p> <p><u>Practical part:</u> Solving familiar and less familiar clinical cases with self-explanation. Clinical demonstrations</p>
#7 EXE	<p>Topic: Oral manifestations of systemic diseases. Diseases of the hematopoietic system. Hypo- and avitaminosis. Eating disorders. Guidelines for dental treatment of patients with comorbidities.</p> <p><u>Practical part:</u> Solving familiar and less familiar clinical cases with self-explanation. Clinical demonstrations</p>
#8 EXE	Authentication:

Recommended Literature

Krasteva A, Panov V, Tomov G, Balcheva M, Madjova H, Dencheva M, Kisselova A, Kolarov R. A textbook of oral pathology for dental students. (2014) Medinform Ltd., Sofia, ISBN 978-619-7164-02-2

Contact Person

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