**State University of Medicine and Pharmacy**

**Nicolae Testemitanu**

***Department***

***Odontology, periodontology and oral pathology***

**Marcu Diana**

**Ababii Victoria**

**Methodical guidelines**

**for V year students,**

**X semester**

**Chișinău, 2020**

**The thematic plan of practical lessons**

1. **Histological and physiological features of the oral mucosa and tongue. Classification of oral mucosal disorders.**
2. **Traumatic lesions of the oral mucosa. Leukoplakia. Clinical picture. Diagnosis and treatment.**
3. **Acute infectious diseases with manifestations in oral cavity. Principles of diagnosis and treatment.**
4. **Infectious diseases with chronic evolution in the oral cavity. Principles of diagnosis and treatment.**
5. **Bacterial and viral infections of the mouth and lips mucosa. Diagnostic and treatment principles.**
6. **Allergic manifestations in the oral cavity. Polymorphic exudative erythema. Recurrent chronic aphthous stomatitis.**
7. **Modifications of oral cavity mucosa in systemic diseases.**
8. **The reflection of haemathopoetic system diseases and nervous system diseases on the oral cavity mucosa.**
9. **Oral mucosa modifications in endocrine system diseases and metabolic disorders.**
10. **The modifications of oral cavity mucosa in dermatosis.**
11. **Tongue abnormalities and independent glossitis.**
12. **Cheilitis and macrocheilitis.**
13. **Precancerous diseases of oral cavity mucosa and lips.**
14. **Summative assessment.**

**Practical lesson nr. 1**

Theme. **Histological and physiological features of the oral mucosa and tongue. Classification of oral mucosal disorders.**

**Control questions:**

1. Rules for the observation sheet completion of the patient with oral mucosal disorders and its importance in practical and scientific work.

2. Anatomical-physiological characteristics and histological structure of mucosal epithelium of the oral cavity (gum, lips, jugal mucosa, hard and soft palate, tongue).

3. Basic methods for examination of the patient with oral injuries.

4. Additional methods of examination used in the diagnosis of oral pathology.

5. Primary lesions of oral mucosa.

6. Secondary lesions of oral mucosa.

7. Principles of systematization in the classification of disorders of oral mucosa and lips based on etiological and pathogenetic factors.

**Homework:**

1. Draw the histological structure of the oral mucosa and the primary and secondary lesions.

2. Solve the tests.

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**Practical lesson nr. 2**

Theme. **Traumatic lesions of the oral mucosa. Leukoplakia. Clinical picture. Diagnosis and treatment.**

**Control questions:**

1. Etiological factors in the evolution of mechanical lesions. Clinical picture, positive and differential diagnosis. Treatment and prophylaxis.

2. Etiological factors in the evolution of chemical lesions. Clinical picture, positive and differential diagnosis. Treatment and prophylaxis.

3. Pathological changes of the oral mucosa, caused by physical trauma (hot water, steam, flame burns, electrical current). Clinical picture, positive diagnosis, treatment.

4. The characteristic of changes of the oral cavity during the neoformations x-ray therapy in the oro-maxilo-facial region.

5. Leukoplakia: clinical picture, positive and differential diagnosis, treatment.

**Homework:**

1. Write prescriptions for: antiseptics, analgesics, drugs that accelerate the epithelization, polyvitamins used in mechanical trauma.

2. Write prescriptions for medicamentous remedies that:

\* neutralize acids;

\* neutralize alkaline bases.

3. Write prescriptions for medicamentous remedies used in the local treatment of physical and leukoplakia’s lesions.

4. Solve the tests.

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**Practical lesson nr.3**

Theme. **Acute infectious diseases with manifestations in oral cavity**

**Principles of diagnosis and treatment.**

**Control questions:**

1. Etiological and pathogenetic factors in the evolution of acute infectious diseases.
2. Measles: clinical picture, differential diagnosis, treatment and prophylaxis.
3. Varicella: clinical picture, differential diagnosis, treatment and prophylaxis.
4. Clinical manifestations of the flu in oral cavity, differential diagnosis, prophylaxis and treatment.

**Homework:**

1. Write the complementary methods of investigation that are necessary to be done in acute infectious diseases.
2. Write the prescriptions for medicamentous remedies used in local treatment of acute infections.
3. Solve the tests.

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1. Materials from lectures.

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**Practical lesson nr. 4**

Theme: **Infectious diseases with chronic evolution in the oral cavity. Principles of diagnosis and treatment.**

**Control questions:**

1. Lues - the pathogen agent, ways of transmission. Epidemiological data.
2. The particularities of clinical manifestations of lues on the oral mucosa. Differential diagnosis.
3. Etiology and pathogenesis of tuberculosis.
4. Clinical forms, positive and differential diagnosis of tuberculosis. Treatment and prognosis.
5. The pathogen agent of HIV / AIDS infection. Epidemiological data. Ways of transmission of HIV infection.
6. Clinical particularities of HIV / AIDS and its manifestations in the oral cavity.
7. Positive and differential diagnosis in AIDS. Treatment and prophylaxis.

**Homework:**

1. Create a table with differential diagnosis of: primary, secondary and tertiary lues.
2. Establish the examination plan of the patients with lues..
3. The prophylaxis of HIV / AIDS and tuberculosis in dental offices.
4. Solve the tests.

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1. Materials from lectures.

2. Stomatologie terapeutică: manual pentru studenții facultăților de stomatologie ale institutelor de medicină/ sub red. E. Borovski. –Chișinău: Lumina, 1990.

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**Practical lesson nr. 5**

Theme: **Bacterial and viral infections of the mouth and lips mucosa. Diagnostic and treatment principles.**

**Control questions:**

1. Etiology, pathogenesis, clinical picture, positive and differential diagnosis of candidiasis.
2. Local and general treatment of mycotic stomatitis. Prophylaxis of candidiasis.
3. Viral infections in the oral cavity. Herpes simplex, clinical picture, differential diagnosis, treatment plan and prophylaxis.
4. Particularities of the clinical evolution of Zoster herpes in the oral cavity. Differential diagnosis and treatment.
5. Etiology, pathogenesis, clinical picture and diagnosis of Vincent ulcero-necrotic stomatitis.
6. Local and general treatment, prognosis.

**Homework:**

1.Write prescriptions for medicamentous remedies with local action used in the cases of: Candidiasis, Vincent ulcero-necrotic stomatitis, herpes infections.

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2. Stomatologie terapeutică: manual pentru studenții facultăților de stomatologie ale institutelor de medicină/ sub red. E. Borovski. –Chișinău: Lumina, 1990.

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**Practical lesson nr. 6**

Theme: **Allergic manifestations in the oral cavity. Polymorphic exudative erythema. Recurrent chronic aphthous stomatitis.**

**Control questions:**

1. Definition of allergy Clinical manifestations of immediate-type of allergy:
2. anaphylactic shock - extreme emergency treatment;
3. Quincke's angioneurotic edema - extreme emergency treatment.
4. Clinical manifestations of delayed type of allergy.
5. Positive and differential diagnosis of allergic diseases, caused by drugs.
6. Treatment plan for patients with drug allergy.
7. Etiology, pathogenesis, clinical picture, positive and differential diagnosis of recurrent chronic aphthous stomatitis.
8. Local and general treatment of recurrent chronic aphthous stomatitis. Prophylaxis.
9. Etiology, pathogenesis, clinical picture, positive and differential diagnosis of polymorphic exudative erythema
10. Treatment and prognosis.

**Homework:**

1. Write the prescriptions for medicamentous remedies used in general and local treatment of:

* recurrent chronic aphthous stomatitis;
* polymorphic exudative erythema

1. Solve the tests.

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1. Materials from lectures.

2. Stomatologie terapeutică: manual pentru studenții facultăților de stomatologie ale institutelor de medicină/ sub red. E. Borovski. –Chișinău: Lumina, 1990.

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**Practical lesson nr.7**

**Theme: Modifications of oral cavity mucosa in systemic diseases.**

**Control questions:**

1. The reasoning of changes of oral cavity mucosa in cardio-vascular diseases.

2. The particularities of oral mucosa modifications in gastro-intestinal diseases.

3. Individual treatment of oral mucosa changes in gastro-intestinal diseases.

4. Oral mucosa modifications in vitamin deficiency.

**Home work:**

1. Compose a table with the differential diagnosis of the most frequent buccal modifications in the diseases mentioned in the topic.

2. Determine the consequence of clinical examination and treatment in cardio-vascular and gastro-intestinal diseases.

3. Solve the tests.

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**Practical lesson nr.8**

**Theme: The reflection of haemathopoetic system diseases and nervous system diseases on the oral cavity mucosa.**

**Control questions:**

1. Clinical particularities, differential diagnosis, treatment of acute and chronic leucosis.

2. Buccal clinical manifestations in anemias. Treatment.

3. Buccal clinical particularities in idiopathic trombocytopenia (Werlhov disease), Vaquez disease. Treatment.

4. Glossalgia: clinical picture, positive and differential diagnosis. Treatment.

5. Stomalgia: clinical picture, positive and differential diagnosis. Treatment.

**Home work**

1. Write the blood formula:

a) normally;

b) in acute and chronic leucosis;

c) in hypochromic anemia and iron deficiency anemia.

2. Write the prescriptions of medications in local treatment of glossalgia;

3. Solve the tests.

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**Practical lesson nr. 9**

Theme. **Oral mucosa modifications in endocrine system diseases and metabolic disorders.**

**Control questions:**

1. Particularities of early mucosal modifications in endocrine system diseases and metabolic disorders.
2. Positive and differential diagnosis in endocrine pathologies.
3. Importance of sanitation and oral hygiene in metabolic disorders. The role of symptomatic treatment.
4. Prophylaxis and prognosis of oral manifestations in endocrine system diseases.

**Home work:**

1. Specify endocrine pathologies with manifestations in the oral cavity.
2. Elaborate the plan for the examination and treatment of patients with endocrine system diseases.
3. Solve the tests.

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**Practical lesson nr. 10**

**Theme. The modifications of oral cavity mucosa in dermatosis.**

**Control questions:**

1. Etiology, pathogenesis and clinical picture of pemphigus and pemphigoid.
2. Diagnosis, treatment and prognostic of pemphigus and pemphigoid.
3. Clinical picture and diagnosis of buccal lichen planus.
4. Treatment of buccal lichen planus.
5. Symptoms, positive and differential diagnosis of lupus erythematosus.
6. Treatment of lupus erythematosus lesions.
7. The importance of sanitation and oral hygiene in buccal lichen planus and lupus erythematosus. The role of prosthetic treatment. Prognosis.

**Home work:**

1. Compose a table with the differential diagnosis of pemphigus and pemphigoid.
2. Write the prescriptions for medicamentous remedies used in the treatment of pemphigus and pemphigoid.
3. Classify the lesions in buccal lichen planus and lupus erythematous.
4. Write prescriptions for medicamentous remedies used in the treatment of buccal lichen planus and lupus erythematosus.
5. Solve the tests.

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**Practical lesson nr. 11**

Theme:  **Tongue abnormalities and independent glossitis.**

**Control questions:**

1. Desquamative glossitis: etiology, clinical picture, differential diagnosis and treatment.
2. Black hairy tongue: etiology, clinical picture. Treatment.
3. Median rhomboid glossitis: etiology, clinical picture, treatment.
4. Plicated tongue: etiology, clinical picture, treatment.

**Homework:**

1. Compose a table with differential diagnosis of independent glossitis.
2. Write the prescriptions for medicamentous remedies used in the glossitis treatment.
3. Solve the tests.

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**Practical lesson nr. 12**

**Theme: Cheilitis and macrocheilitis.**

**Control questions:**

1. Exfoliative cheilitis: clinical picture, diagnosis, differential diagnosis and treatment.
2. Glandular cheilitis: clinical picture, diagnosis, treatment of different types of glandular cheilitis.
3. Allergic, actinic, meteorological cheilitis: clinical picture, diagnosis, differential diagnosis and treatment.
4. Atopic, eczematous cheilitis: clinical particularities, differential diagnosis and treatment.
5. Chronic recurrent lips fissures: clinical picture, treatment.
6. Macrocheilitis : clinical picture, differential diagnosis, treatment.

**Homework:**

1. Classify the cheilitis.
2. Compose a table with the differential diagnosis of the most frequent forms of cheilitis.
3. Write the prescriptions for medicamentous remedies used in the treatment of different forms of cheilitis.
4. Solve the tests.

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**Practical lesson nr. 13**

**Theme. Precancerous diseases of oral cavity mucosa and lips.**

**Control questions:**

1. Classification of precancerous diseases of oral cavity mucosa and lips.
2. Bowen disease: clinical picture, diagnosis, differential diagnosis and treatment.
3. Nodular and papillomatous precancer of the red lip margins: clinical picture, diagnosis, differential diagnosis and treatment.
4. Localized precancerous hypekeratosis of red lip margins: clinical picture, diagnosis, differential diagnosis and treatment.
5. Manganotti abrasive precancerous cheilitis: clinical picture, diagnosis, differential diagnosis and treatment.

**Homework:**

1. Prophylaxis of precancerous diseases of the oral cavity mucosa and lips.
2. Clinical signs of malignancy of precancerous diseases.
3. Solve the tests.

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**Practical lesson nr. 14**

**Theme. Summative assessment**

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