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STATE UNIVERSITY OF MEDICINE AND PHARMACY
"NICOLAE TESTEMITANU"

Valentina NICOLAICIUC

ORAL MUCOSA DISEASES

PRACTICAL GUIDE

CLINICAL PRACTICAL LESSONS

FOR THE Vth YEAR OF STUDY IXth SEMESTER

Subject: ORAL MUCOSA DISEASES

CHISINAU
2012

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The Department of Therapeutical Dentistry

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Practical Guide for Clinical Practical Lessons is a methodological manual in accordance with the curriculum for students - dentists.

This Guide will help foreign students to study the etiology, clinic, diagnosis and treatment of dental diseases.

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Nicolaiciuc, Valentina

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STRUCTURE OF PRACTICAL LESSONS (5 HOURS)

1. Students' interrogatory - 5 minutes.
2. Discussion of topic - 45 minutes.
3. Demonstration of patient - 30 minutes.
4. Student's independently work - 130 minutes.
5. Summary (notebook's control, observation sheets, homework) - 15 minutes.

THEMATIC PLAN OF PRACTICAL LESSONS

1	Anatomic-physiologic features of oral cavity mucosa. Methods of examinations of patients with oral lesions. Lesion's elements.
2	Classification of oral mucosa diseases. Mechanical trauma of oral cavity: clinical picture, positive and differential diagnostic, treatment. Chemical lesions of oral mucosa: clinical picture, positive and differential diagnostic, treatment.
3	Physical traumatisms of oral cavity: clinical picture, positive and differential diagnostic, treatment. Leukoplakia: clinical picture, positive and differential diagnostic, treatment.
4	Viral diseases (flu, herpes, zoster zone): clinical picture, positive and differential diagnostic, treatment. HIV and SIDA manifestations in oral cavity. Ulcer-necrotic stomatitis. Vincent: clinical picture, positive and differential diagnostic, treatment.
5	Candidosis of oral mucosa: clinical picture, positive and differential diagnostic, treatment. Tuberculosis: clinical picture, positive and differential diagnostic, treatment.
6	Clinical manifestations of allergic diseases in oral cavity. Aphthous chronic, recidivated stomatitis: clinical picture, positive and differential diagnostic, treatment.
7	Exudative multiform erythema: clinical picture, positive and differential diagnostic, treatment. Pemphigus: clinical picture, positive and differential diagnostic, treatment.
8	Oral lichen plan and lupus erythematosus: clinical considerations on issues of oral lichen plan and of erythematosus lupus, positive and differential diagnostic, treatment.

9	Changes of oral cavity mucosa in diseases of hematopoietic system. Oral clinical manifestations of several systemic and specific diseases. Anomalies of the tongue and independent glossitis.
10	Glossalgia (glossadeny). Oral clinical manifestations in neurological diseases. Cheilytis: clinical picture, positive and differential diagnostic, treatment.

PRACTICAL LESSON NR. 1

Topic: Anatomic-physiologic features of oral cavity mucosa. Methods of examinations of patients with oral lesions. Lesion`s elements.

Place to hold the lesson: Dentist`s room.

Time: 5 hours

The purpose of the task: to study anatomic-physiologic features and histologic structure of oral cavity mucosa epithelium. Familiarize students with methods of examination of the patients with the oral lesions. Primary and secondary lesion elements, which appear in oral diseases.

Questions for control:

1. Rules of completion of the observational sheet of the patient with oral mucosa diseases and its importance in practice and scientific activity.
2. Anatomic-physiologic features and histologic structure of oral cavity mucosa epithelium (gingiva, lips, jugal mucosa, palate).
3. Lingual papilla: structure and functions.
4. Structure of the chorion.
5. Functions of the oral mucosa.
6. Basement methods in the examination of the patient with the oral lesions.
7. Methods of supplementary investigations in diagnostic of the oral pathology.
8. Cytological examination: indications and methods of accomplishment.
9. Biopsy. Particularities of the biopsy examination.
10. Indications for the bacteriologic examination and determine of the sensitivity of bacterial cultures emphasized over the chemo-therapy drugs.

11. Clinical blood analysis. Its indications.
12. Methods of the allergy examinations and its indications.
13. Primary lesion elements of the oral mucosa.
14. Secondary lesion elements of the oral mucosa.

Homework:

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

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.
3. "Diseases of the oral mucosa. A color Atlas. (Second edition). Manfred Strasburg (Gerdt Knolle). University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 2

Topic: Classification of oral mucosa diseases .Mechanical trauma of oral cavity: clinical picture, positive and differential diagnostic, treatment. Chemical lesions of oral mucosa: clinical picture, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: taking knowledge with classification of the oral mucosa disease and principles of their systematization; to study the etiological and pathogenic factors in evolution of mechanical and chemical lesions; to establish positive, differential diagnostic and treatment of this oral pathologies.

Questions for control:

1. Principles of the systematization in classification of the pathologies of oral mucosa. (by WHO, IMSM; M.Gafar and C. Andreescu; E. Borovschi and A. Maskilleison).
2. Etiological and pathogenic factors in the evolution of the mechanical trauma of the oral cavity.

3. Clinical picture, positive and differential diagnostic of mechanical trauma.

4. Treatment and prophylaxis of the traumatic pathologies.

5. Etiological and pathogenic factors in the evolution of the chemical lesions.

6. Clinical picture, positive and differential diagnostic of the chemical lesions.

7. Treatment and prophylaxis of the traumatic pathologies of the chemical origin.

Homework:

1. Infections Classification of oral mucosa after (OMS; IMSM; M.GAFAR AND C. Andreescu, E. Borovski and A.Maskilleison).

2. Write relations: antiseptic, analgesics substance, materials for acceleration of epital, pol- vitamin in mucosa trauma.

3. Write preparation with medicine:

- For acid neutralization.
- For alkaline neutralization.

References:

1. Material of lectures.

2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.

3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfred Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 3

Topic: Physical traumatism of oral cavity: clinical picture, positive and differential diagnostic, treatment. Leukoplakia: clinical picture, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: to study etiological and pathogenic factors in the evolution of the physical lesions and of leukoplakia; differential diagnostic and treatment.

Questions for control:

1. Factors which produce physical trauma of the oral mucosa
2. Lesions of the oral mucosa produced by hot water and steam. Symptoms, positive diagnostic and treatment.
3. Pathologic modifications which appear in oral mucosa after burn with the flame and electricity .Clinical picture, positive diagnostic and treatment.
4. Clinical picture, differential diagnostic and treatment of the chronic trauma of the oral mucosa, due to the galvanic current.
5. Clinical picture, differential diagnostic and treatment of the oral mucosa affected by ionizing radiation.
6. Characteristics of the oral cavity changes after radiation therapy of tumors of the oro-maxilla-facial region. Actinic ulcer: causes, clinical picture, positive diagnostic, treatment.
7. Leukoplakia. Clinical picture, positive and differential diagnostic, treatment.

Homework:

1. Write relation between medicine preparation in local treatment of physical and leukoplakia lesion.

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.
3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfred Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 4

Topic: Viral diseases (herpes simplex, herpes Zoster). Clinical picture, positive and differential diagnostic, treatment. HIV and AIDS infection in oral cavity. Ulcerative-necrotic stomatitis of Vincent: clinical picture, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: To study virus diseases, ulcerative-necrotic stomatitis Vincent, HIV and AIDS.

Questions for control:

1. Clinical manifestation of viral diseases in oral cavity.
2. Herpes simplex: clinical picture, positive and differential diagnostic, treatment and prophylaxis.
3. Peculiarities of clinical evolution of herpes Zoster in oral cavity, positive and differential diagnostic, treatment.
4. Clinical picture of flu in oral cavity. Differential diagnosis. Preventive maintenance and treatment.
5. Clinical forms of aphthous stomatitis differential diagnostic, treatment and prophylaxis.
6. Etiological and pathogenically factors of in evolution of ulcerative-necrotic stomatitis of Vincent.
7. Ulcerative-necrotic stomatitis of Vincent: clinical picture, positive and differential diagnostic.
8. Additional methods of investigation (hemograma, cytological and bacteriologic examination, radiography).
9. Local and general treatment, prognostic.
10. Epidemiological data about HIV and AIDS infection.
11. Way of transmission of HIV infection.
12. Clinical peculiarities of HIV and AIDS infection, and their manifestation in oral cavity.
13. Positive and differential diagnostic of AIDS.
14. Treatment and prophylaxis.
15. Disinfectant remedies with intensive action.

Homework:

1. Write relation between medicine remedies in
 - Oral viruses;
 - Local and general treatment of ulcer- necrotic stomatitis Vincent.
 - Prophylaxis infection HIV/SIDA IN DENTISTRY CABINET.

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.

3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfrend Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 5

Topic: Candidacies of oral mucosa: clinical picture, positive and differential diagnostic, treatment. Tuberculosis: clinical picture, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: To study candidacies of oral mucosa and tuberculosis.

Questions for control:

1. Etiology and pathogen of oral mucosa candidiasis.
2. Classification of the candido-mycotic stomatitis.
3. Clinical picture, positive and differential diagnostic of candidiasis.
4. Local and general treatment of mycotic stomatitis
5. Prophylaxis of candidiasis.
6. Etiology and pathogen of tuberculosis.
7. Clinical forms, positive and differential diagnostic of tuberculosis.
8. Treatment, prognosis.

Homework:

1. Write relation between medicine preparation.
 - Treatment of candidiasis.
 - Treatment of tuberculosis.

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.
3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfrend Strasburg (Gerdt Knolle). University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 6

Topic: Clinical manifestations of allergic diseases in oral cavity. Aphthous chronic, recidivated stomatitis: clinical picture, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: To study clinical manifestations of allergic diseases in oral cavity.

Questions for control:

1. Term of allergy and causes of its spread.
2. Allergic reactions immediate and late type; mechanism of the lesion of the tissues.
3. Clinical manifestations of some allergic diseases of the drug origin immediate type:
 - a. Anaphylactic shock – treatment of extreme emergency;
 - b. Angioneurotic edema Quincke – treatment of extreme emergency;
4. Oral mucosa lesions – manifestations of drug allergy late type.
5. Positive and differential diagnostic of allergic diseases of drug origin.
6. Treatment plan of patients with drug allergy.
7. Terms of the microbial allergy, auto-allergy.
8. Diagnostic methods in microbial allergy.
9. Timely establishment of correct treatment in microbial allergy.
10. Etiology and pathogen of aftous chronic recurrent stomatitis.
11. Clinical picture, positive and differential diagnostic of aftous chronic recurrent stomatitis.
12. Local and general treatment of aftous chronic recurrent stomatitis. Prophylaxis.

Homework:

1. Write relation between medicine preparation in treatment of Anaphylactic shock in emergency situation.
2. Write relation of de-sensibilisation and anti inflammatory.
3. Write relation of hydrosol-bile of corticosteroid.
4. Antioxidant therapy.
5. Unspecific therapy (histoglobin in injection)
6. Symptomatic treatment.

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.
3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfrend Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR.7

Topic: Exudative multiform erythema: clinical picture, positive and differential diagnostic, treatment. Pemphigus: clinical picture, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: to study exudative multiform erythema and pemphigus.

Questions for control:

1. Etiopathogeny of exudative multiform erythema.
2. Clinical manifestations, Positive and differential diagnostic of exudative multiform erythema.
3. Treatment and prognosis.
4. Etiology and classification of pemphigus.
5. Clinical picture, evolution periods of pemphigus vulgaris.
6. Symptomatology of pemphigus neacantolytic.
7. Laboratory investigations in pemphigus diagnostic and the role of dentist.
8. Differential diagnostic of pemphigus.
9. Local and general treatment and prognosis of pemphigus.
10. Clinical picture, positive and treatment of herpetic dermatitis Diuring.

Homework:

1. Write the medicine preparation in general administer treatment and polymorph erythema.
2. Drew a table with deferential diagnostic of pemphigus.
3. Write the classification of these infections.
4. Write the medicine preparation in pemphigus

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.
3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfrend Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 8

Topic: Oral lichen plan and lupus erythematosus: clinical considerations on issues of oral lichen plan and of erythematosus lupus, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: to study oral lichen plan and lupus erythematosus.

Questions for control:

1. Clinical manifestations of the lichen plan in the oral mucosa.
2. Positive and differential diagnostic of oral lichen plan.
3. Treatment plan of oral lichen plan.
4. Symptomatic, Positive and differential diagnostic of erythematosus lupus.
5. Treatment of the lesions of the erythematosus lupus.
6. Importance of sanitation and of oral hygiene in oral lichen plan and erythematosus lupus. The role of protein treatment. Prognosis.

Homework:

1. Classification of lesion in lichen plan.
2. Draw the table with diagnostic of these infection.
3. Write relation of medicine indicate in treatment of lichen plan and erythematosus lupus.

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.

3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfred Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 9

Topic: Changes of oral cavity mucosa in diseases of hematopoietic system. Oral clinical manifestations of several systemic and specific diseases. Anomalies of the tongue and independent glossitis.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: to study diseases of the hematopoietic system, systemic and specific diseases, anomalies of the tongue and independent glossitis.

Questions for control:

1. Clinical features, differential diagnostic, treatment of the acute and chronic leucosis.
2. Etiopathogeny, clinical picture and treatment of Addison-Biermer anemia.
3. Oral clinical features in hypo and aplastic anemia (degenerative). Treatment.
4. Oral clinical features in anclorhydic anemia and feriprive hypo chromic anemia. Treatment.
5. Clinical oral features in idiopatic thrombocytopenia (Werlhof disease), Vaquez disease. Treatment.
6. Changes of oral mucosa in vitamin deficiencies.
7. Changes of oral mucosa in gastro-intestinal pathologies.
8. Oral syndrome in some cardiovascular diseases.
9. Changes of oral mucosa in discrinii, collagenosis.
10. Lesions of oral mucosa in specific diseases.
11. Anatomical features and histological structure of the tongue, nerve and blood supply of the tongue, types of taste sensibility.
12. Desquamative glossitis: etiology, clinical picture, differential diagnostic and treatment.
13. Hairy black tongue: etiology, clinical picture, treatment.
14. Rhomboid glossitis: etiology, clinical picture, treatment.
15. Plicated tongue: etiology, clinical picture, treatment.

Homework:

1. Write form of blood.
 - Normal
 - Leucosis acute and chronic
 - Hypochromic anemia .
2. Write down the medicine with differential diagnostic of most frequent sickness .
3. Glossitis treatment.

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.
3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfred Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.

PRACTICAL LESSON NR. 10

Topic: Glossalgia (glossadeny). Oral clinical manifestations in neurological diseases. Cheilytis: clinical picture, positive and differential diagnostic, treatment.

Place to hold the lesson: Dentist's room.

Time: 5 hours

The purpose of the task: to study glossalgia and cheilytis.

Questions for control:

1. Oral mucosa changes in neurological diseases.
2. Etiopathogeny of glossalgia.
3. Clinical picture, positive and differential diagnostic of glossalgia.
4. Timely establishment of correct and effective treatment.
5. Physiotherapy in glossalgia.
6. Exfoliative cheilytis: Clinical picture, positive and differential diagnostic and treatment.
7. Glandular cheilytis: Clinical picture, diagnostic and treatment of various types.
8. Contact allergic cheilytis, actinic and meteorologic: Clinical picture, differential diagnostic and treatment.

9. Atypical cheilytis; exematous: Clinical picture, differential diagnostic and treatment.

10. Chronic recurrent fissures of the lips: Clinical picture and treatment.

11. Macrocheilitis: Clinical picture, differential diagnostic and treatment.

Homework:

1. Medicine treatment in glossalgia.
2. Glossalgia classification.
3. Table with diagnostic of the most frequent form of glossalgia.
4. Write down the medicine treatment in glossalgia.

References:

1. Material of lectures.
2. "Color Atlas of clinical oral pathology" Brad W. Neville; Douglas D. Damm Dean K. Philadelphia; London 1991, p.380.
3. "Diseases of the oral mucosa. A color Atlas.(Second edition). Manfred Strasburg (Gerdt Knolle).University of Illinois at Chicago 1991. p.786.