**MINISTERUL SĂNĂTĂŢII AL REPUBLICII MOLDOVA**

**UNIVERSITATEA DE STAT DE MEDICINĂ ŞI FARMACIE**

**“NICOLAE TESTEMIŢANU”**

**Facultatea Stomatologie**

#### *CATEDRA PROPEDEUTICĂ STOMATOLOGICĂ „PAVEL GODOROJA”*

PARODONTOLOGIE PRECLINICĂ

A P R O B

Decanul facultăţii Stomatologie

USMF “N.Testemiţanu”

Dr.habilitat, profesor universitar

S. Ciobanu

“ \_\_\_\_” \_\_\_\_\_\_\_\_\_\_\_\_\_\_2018

## ***E L A B O R Ă R I M E T O D I C E***

*LA LUCRĂRILE PRACTICE PENTRU STUDENŢII*

*ANULUI II SEMESTRUL IV*

***Au fost revizuite și aprobate la ședința catedrei Nr.1 din 01.02.2018***

Şef catedră

dr.hab.șt.med.,conf.univ.. D.Uncuța

Șef studii

asist. univ. T.Porosencova

PLANUL LECŢIILOR PRACTICE

(total - 34 ore)

1. The structure of the marginal periodontium. Superficial periodontium (gingiva, supraalveolar ligaments).
2. Deep marginal periodontium or "functional" periodontium (cementum, periodontium, alveolar bone)
3. Dental-gingival junction and formation of gingival sulcus.
4. Gingival sulcus. Gingival fluid. Totalisation.
5. Notion of periodontal lesions. Classification. The role of local factors in the etiology of periodontal disease.
6. Bacterial plaque. Chemical composition. Bacterial plaque formation mechanism.
7. Dental calculus. Chemical composition. Mechanism of formation of dental plaque.
8. Determination of bacterial plaque. Revealers of bacterial plaque. Totalisation.
9. Instruments and techniques for probing in paradontology.
10. Manual scaling and root planning. Instruments for scaling. Usage technique. Particularities for children.
11. Ultrasonic scaling (piezoelectric and magnetostrictive). Devices for piezoelectric and magnetostrictive scaling. Techniques of use and tools for scaling.
12. Getting Periodontal Surgery. Surgical methods for the treatment of periodontal diseases (gingival curettage, gingivectomy, gingivoplasty). Totalisation
13. Interradicular lesions. Classification.
14. Gingival recessions. Classification.
15. Radiological aspects of healthy periodontium and periodontal diseases.
16. Clinical examination of patients with periodontal diseases.
17. Professional hygiene of the oral cavity. Totalisation.

**Lucrare practică № 1**

**metodical elaboration №** 1

**topic: The structure of the marginal periodontium. Superficial periodontium (gingiva, supraalveolar ligaments).**

**Place of work**: Simulator class.

**Time**: 3 hours.

**Aim of work**: Study of macro- and microstructure of the marginal periodontium.

**Work plan:**

1. The survey - **45 minutes.**
2. Practical work - **80 minutes**. The study of the structure of the superficial periodontium using schemes or tables.
3. Conclusion - **10 minutes.**

**CONTROL QUESTIONS:**

1. Notion of marginal periodontium.
2. Main components of the marginal periodontium.
3. Basic functions of the marginal periodontium.
4. Components of the superficial periodontium.
5. Gingiva, types of gingiva.
6. Morphological structure of the gingiva.
7. Free or marginal gingiva (notion).
8. Interdental gingiva (gingival papilla), color, shape and volume.
9. Fixed gingiva (attached), structure, vascularization, and innervation.
10. Notion of mucosal gingival junction.
11. Notion of suprralveolar ligament system.
12. Types of fibers of the superalveolar ligament.
13. Dental gingival fibers. Dental fiber. Dental periosteal fibers. Dental alveolar fibers. Alveolar gingival fibers. Transgingival fibers. Intergingival fibers. Circular fibers. Physiology of the supraalveolar ligament system.

**Homework**

Draw in the copybooks the elements of the marginal periodontium

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** **2**

**Topic: Deep marginal periodontium or "functional" periodontium (cementum, periodontium, alveolar bone).**

**Place of work**: Simulator class.

**Time:** 3 hours.

**Aim of work:** To study the structure of the deep marginal periodontium (cementum, periodontium, alveolar bone).

**Work plan:**

1. The survey **- 45 minutes**.
2. Practical work - **80 minutes** – The study of the structure of the deep marginal periodontium using schemes or tables.
3. Conclusion - **10 minutes**.

**CONTROL QUESTIONS:**

1. The notion of deep marginal periodontium or "functional".
2. Basic components of deep marginal periodontitis.
3. Radicular cementum (types of root cementum).
4. Topographic ratio or cement-enamel junction (variants).
5. Primary cement (fibrilar, acellular), localization, composition.
6. Secondary (cellular) cement, localization, composition.
7. The notion of hypercementosis.
8. Notion of periodontium (periodontal space).
9. The content of the periodontal space (fibers, cells, basic substance, blood vessels and nerves).
10. Periodontal fibers or periodontal ligament.
11. Main groups of periodontal fibers.
12. The cellular elements of the periodontium.
13. Definition of fundamental substance.
14. Periodontal vascularization.
15. Periodontal innervation.
16. The functions of the periodontium.
17. Alveolar bone. Alveolar bone structure.
18. The actual alveolar bone (internal cortex, Hawersian bone).
19. Supportive alveolar bone (bone, spongy or trabecular bone and external cortical bone).
20. Marginal crest, contouring types.
21. Vascularization and innervation of the alveolar bone.
22. The notion of resorption and bone apoptosis, the cells involved in these controversial processes.
23. Occlusal forces and alveolar bone, the physiological and pathological role (harmful) in the onset of periodontal disease.

**Homework**

Draw in the copybooks the elements of the deep marginal periodontium

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration № 3**

**Topic: Dental-gingival junction and formation of gingival sulcus.**

**Place of work**: Simulator class.

**Time**: 3 hours.

**Aim of work:** To study the mechanism of development of dento-gingival junction and gingival sulcus.

**Work plan:**

1. The survey **- 45 minutes**.
2. Practical work - **80 minutes.** The study of the formation of dento-gingival junction and gingival sulcus on schemes and tables.
3. Conclusion - **10 minutes.**

**CONTROL QUESTIONS:**

1. Notion of dental-gingival junction and gingival sulcus.
2. Reduced adamantine epithelium.
3. The junctional epithelium or attached.
4. Adhesion of the junctional epithelium to the tooth.
5. The notion of pellicle and cuticle.
6. Gingival sulcus formation.
7. The role of dental eruption in the formation of the gingival sulcus.
8. The formation of the gingival sulcus floor.
9. The gingival sulcus epithelium.

**Homework**

Draw in the copybooks the formation of dento-gingival junction.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** 4

**Topic: Gingival sulcus. Gingival fluid. Totalization.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the gingival sulcus and its contents.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. The study of the formation of dento-gingival junction and gingival sulcus on schemes and tables.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Gingival sulcus, notion.
2. Delimitation of the gingival sulcus, depth.
3. The contents of the gingival sulcus.
4. Liquid (fluid) of the gingival sulcus.
5. The origin of the gingival fluid.
6. Chemical composition of gingival fluid.
7. Properties of gingival fluid.
8. Causes of increased gingival fluid flow.
9. Clinical importance of dental-gingival junction and gingival sulcus.
10. Quantitative ratio of gingival fluid to norm and pathological conditions.
11. Methods of collecting gingival fluid.

**Homework**

Draw in the copybooks the formation of the gingival sulcus.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** 5

**Topic: Notion of periodontal lesions. Classification. The role of local factors in the etiology of periodontal disease.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the notion of periodontal lesions, their classification and the role of local factors in the etiology of periodontal disease.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. The study of the classification of periodontal lesions and the local factors in their etiology on schemes and tables.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Notion of periodontal lesions.
2. Classification of periodontal diseases.
3. The notion of gingivitis.
4. Classification of gingivitis (by IMSM, M. Gafar and C. Andreescu,1990; WHO).
5. Notion of marginal periodontitis.
6. Classification of marginal periodontitis (after IMSM, M. Gafar and C. Andreescu, 1990, WHO).
7. Local factors in the etiology of periodontal lesions (dental factors, periodontal, iatrogenic, functional, pathological occlusal trauma).
8. The role of oral cavity hygiene.
9. The notion of dental deposits (soft and hard deposits).

**Homework**

Write in the copybooks classification of periodontal lesions and the local factors in their etiology; notions of gingivitis, periodontitis, dental calculus.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** 6

**Topic: Bacterial plaque. Chemical composition. Bacterial plaque formation mechanism.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the composition of the bacterial plaque and its role in the development of periodontal disease.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Study of bacterial plate formation mechanism, determination of bacterial plaque on simulators.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. The notion of bacterial plaque.
2. Composition of the bacterial plaque.
3. Bacterial plaque formation (mechanism, steps).
4. The role of bacterial plaque in triggering of carious processes.
5. Supragingival bacterial plaque.
6. Subgingival bacterial plaque.
7. Mechanisms of bacterial pathogenesis in periodontal disease.
8. Direct mechanisms of bacterial pathogenesis.
9. Indirect mechanisms of bacterial pathogenesis.

**Homework**

Write in the copybooks the methods of the screening of the bacterial plaque and draw a group of teeth with plaque.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** 7

**Topic:** Dental calculus. Chemical composition. Mechanism of formation of dental plaque.

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the dental calculus, the chemical composition and the mechanism of dental calculus formation.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Study the mechanism of dental calculus formation and determining the index of dental calculus on phantoms.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. The notion of dental plaque.
2. Supra- and subgingival calculus.
3. The composition of dental calculus.
4. Inorganic content of dental calculus.
5. Organic content of dental calculus.
6. Dental calculus formation.
7. Attaching of dental calculus to the dental surface.
8. Theories on dental calculus mineralization.
9. The role of diet in the formation of dental calculus.
10. The role of dental calculus in the onset of periodontal disease.

**Homework**

Write in the copybooks the methods of the screening of the dental calculus and draw a group of teeth with supragingival calculus.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** 8

**Topic: Determination of bacterial plaque. Revealers of bacterial plaque. Totalization.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the methods of determination of bacterial plaque, the revealers of bacterial plaque.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Students discuss the revealers of bacterial plaque and the methods of determination of bacterial plaque.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Plaque revealers.
2. Methods of bacterial plaque detection. Indications of oral hygiene assessment and periodontal disease.
3. LOE and Silness gingival indexes.
4. Index of gingival bleeding by Muhlemann and Son.
5. Index of oral hygiene by Green and Vermilion (Soft Wet Index and Calculus Index).

**Totalization.**

**Homework**

Write in the copybooks drug remedies, commercial forms, active component of bacterial plaque revelators, their color and oral hygiene indices.

 **RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** **9**

**Topic: Instruments and techniques for probing in periodontology.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the instruments and techniques for probing in periodontology.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Study the generations of periodontal probes and the probing techiniques.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Generations of periodontal probes.
2. Advantages and disadvantages of periodontal probes.
3. Indications and contraindications of periodontal probes.
4. Periodontal probing technique.
5. Data recording in the periodontal card.
6. Periodontal probing as a control method and recording the evolution of periodontal disease.

**Homework**

Complete the chart: periodontal probing.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nr. | Type of periodontal probe | Indications | Contraindications | Advantages | Disavantages |

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** **10**

**Topic: Manual scaling and root planning. Instruments for scaling. Usage technique. Particularities for children.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** Students study the methods of scaling and root planning; tools for scaling and root planning.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Scaling and root planning on phantoms.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. The notion of scaling.
2. General principles of scaling (visibility, illumination, patient and physician position, fulcrum).
3. Manual scaling.
4. Instruments for manual scaling (instruments, technique).
5. Universal and special periodontal curettes (GRACEY curettes).
6. Methods for sharpening of periodontal curettes.
7. Technique of manual scaling.
8. Complications of scaling.
9. Polishing of scaled surfaces.
10. The instruments used in root planning.
11. Working techniques and accessories

**Homework**

Write in the copybooks the methods of the scaling and draw the instruments used for scaling.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** **11**

**Topic: Ultrasonic scaling (piezoelectric and magnetostrictive). Devices for piezoelectric and magnetostrictive scaling. Techniques of use and tools for scaling.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the ultrasonic scaling

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Ultrasonic scaling.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Ultrasonic piezoelectric scaling.
2. Ultrasonic magnetostrictive scaling.
3. mechanism of action of ultrasound on adjacent tissues.
4. Indications and contraindications for ultrasonic piezoelectric scaling.
5. Indications and contraindications for ultrasonic magnetostrictive scaling.
6. Advantages and disadvantages of piezoelectric ultrasound techniques.
7. Advantages and disadvantages of magnetostrictive ultrasound techniques.

**Homework**

Write in the copybooks the types of scaling, the used techniques, their advantages and disadvantages.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration № 12**

**Topic: Periodontal Surgery. Surgical methods for the treatment of periodontal diseases (gingival curettage, gingivectomy, gingivoplasty). Totalization.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the methods of periodontal surgery.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Simulation of surgical interventions on phantoms.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

* 1. Notion of periodontal surgery.
	2. Methods and techniques of periodontal surgery.
	3. Gingival curettage, indications and contraindications.
	4. Gingival curettage technique.
	5. Subgingival curettage, indications and contraindications.
	6. Closed curettage.
	7. Open curettage or with papillary microlabs.
	8. Open curettage technique.
	9. Gingivectomy, indications and contraindications.
	10. Gingivectomy technique.
	11. Instruments and medication used in gingival curettage.
	12. Gingivoplasty, indications and contraindications.

**Homework**

Write in the copybooks the methods of curettage, gingivectomy and gingivoplasty.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration № 13**

**Topic: Interradicular lesions. Classification.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the notion of interradicular lesions and their methods of surgical treatment.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Simulation of surgical interventions of interradicular lesions on phantoms
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

* 1. Notion of interradicular lesions.
	2. Classification of interradicular lesions.
	3. Ist class interradicular lesions.
	4. IInd class interradicular lesions.
	5. IIIrd class interradicular lesions.
	6. Local examination for assessing of the damage degree of the interradicular space (instruments).
	7. Radiological analysis in the diagnosis of interradicular lesions.
	8. Treatment of Ist class interradicular lesions (scaling, root planning, with or without furcation area plasty).
	9. Treatment of IInd class interradicular lesions (tunneling, hemisecting, root amputation, guided tissue regeneration, coronary repositioned flap).
	10. Treatment of IIIrd class interradicular lesions (guided tissue regeneration, tunneling, root amputation and tooth extraction)

**Homework**

Write in the copybooks the classification of interradicular lesions.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration №** 14

**Topic: Gingival recessions. Classification.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study notion of gingival recessions and their treatment.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Simulation of surgical interventions of gingival recessions on phantoms
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Gingival recession. Notion.
2. Causal factors.
3. Predisposing factors.
4. Type of periodontium or periodontal biotype.
5. Classification of gingival recessions by Sullivan and Atkins.
6. Classification of gingival recessions by Miller 1985.
7. Treatment of gingival recessions (methods).
8. The prognosis of treatment success.

**Homework**

Write in the copybooks the classification of gingival recessions and draw the type of recessions.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration № 15**

**Topic: Radiological aspects of healthy periodontium and periodontal diseases.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study the normal and pathological structure of periodontal diseases.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Students will learn: alveolar bone structure and alveolar processus on schemes, radiological drawings and clichés, in norm and pathology.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Radiography in isometric, orthadial incidence.
2. Monomaxillary panoramic radiography.
3. Orthopantomography.
4. Dental alveolar space: shape, dimensions.
5. Lamina dura.
6. Structure of the trabecular bone.
7. Degree and type of bone resorption: vertical, horizontal and mixed.
8. Radiography of periodontal pockets.
9. Marginal crest demineralization.
10. Crunching of the interradicular septum.
11. Localized periodontitis.
12. Generalized periodontitis.

**Homework**

Write in the copybooks the radiological aspects of periodontium.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration № 16**

**Topic:** Clinical examination of patients with periodontal diseases.

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To familiarize students with methods of examining the patient with periodontal disease and establishing the diagnosis.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes. Clinical examination of patients with periodontal diseases.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Methodology of examining the patient with periodontal disease (anamnesis, objective clinical examination, complementary examinations).
2. Anamnesis.
3. Objective clinical examination (instruments).
4. Exobucal examination.
5. Mucous examination.
6. Teeth examination.
7. Measuring the depth of periodontal pockets.
8. Evaluation of interradicular lesions (furcation).
9. Complementary examinations: bacterial plaque examination,
10. Complementary examinations: examinations of study models,
11. Complementary examinations: radiology exam (types),
12. Complementary examinations: photography (before and after treatment),
13. Complementary examinations: biochemical tests, microbiological tests,
14. Complementary examinations: determination of values of some biological constants (hematocrit, leukocyte, ESR, glycaemia, coagulation)

**Homework**

Write in the copybooks the methods of examination of the patients with periodontal diseases.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.

**metodical elaboration № 17**

**Topic:** **Professional hygiene of the oral cavity. Totalization.**

**Place of work**: Simulator class.

**Time: 3 hours.**

**Aim of work:** To study indexes of oral hygiene.

**WORK PLAN**

1. The survey - **45** minutes.
2. Practical work - **80** minutes.
3. Conclusion - **10** minutes.

**CONTROL QUESTIONS:**

1. Oral hygiene index assessment and periodontal status: oral hygiene index, SILNESS and LOE, bacterial plaque index, plaque retention index (LOE), calculus index.
2. Gingival inflammation indexes: gingival index (LOE and SILNESS), papillary bleeding index (MUHLEMAN), gingival bleeding index, amount and flow of gingival fluid.
3. Periodontal indexes: RUSSELL Index, periodontal pocket indication index, Periodontal Index (CPITN - Community Periodontal Index of Treatments Needs), proposed by the UN in 1977 and adopted by FDI in 1980 and WHO in 1983.

**Homework**

Write in the copybooks the indexes of oral hygiene and gingival inflammation.

**RECOMMENDED LITERATURE:**

*A. Compulsory:*

1. Lecture materials.
2. Dumitriu H. Parodontologie. București, 1997.
3. Newman M. G., Takei H. H., Klokkevold P. R., Carranza F. A. Carranza’s Clinical Periodontology. 2012, 1033 p.
4. Vataman R. Parodontologie, Iaşi, 1992

*B. Additional*

1. Ciobanu S. Tratamentul complex în reabilitarea pacienţilor cu parodontite marginale cronice. Chişinău, 2012.
2. Терехов А. Основы практической пародонтологиию. Сhișinău, 2010 стр.