



**CATEDRA DE CHIRURGIE ORO-MAXILO-FACIALĂ ȘI IMPLANTOLOGIE ORALĂ
„ARSENIE GUȚAN”**

RED.: 1

DATA:

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State University of Medicine and Pharmacy "Nicolae Testemițanu"

Faculty of Dentistry

Department of Oral and Maxillo-Facial Surgery

And Oral Implantology "Arsenie Guțan"

Teaching Guides

Course: Preprosthetic and Periodontal Surgery. Reconstructive and Aesthetic Surgery

Course Type: Compulsory

Course Code: S.10.O.093

YEAR V, SEMESTER X



Teaching Guide Nr. 1 (year V, semester X)

Topic: Periodontal Disease. General Concepts. Surgical Treatment of Periodontal Conditions.

Location: Clinical Foundations of the Department.

Purpose of the work:: Within the practical work, students will acquire the skills of patient examination, indications and contraindications for surgical interventions in periodontal conditions, principles of surgical technique, instrumentation, and materials.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Periodontal Disease: General Concepts. Clinical Presentation.
2. Clinical and Paraclinical Examination of the patient with Periodontal Disease
3. General and Local Preoperative Preparation (Oral Cavity Sanitation) of the Patient with Periodontal Disease
4. Indications and Contraindications for Surgical Surgical Periodontal Treatment.
5. Instruments and Materials in Surgical Periodontal Treatment
6. Stages of Surgical Interventions in the Treatment of Marginal Periodontal Conditions.

Recommended bibliography:

1. Corneliu Burlibașa. Chirurgie orală și maxilofacială. Editura medicală. București, 2007, 1312p.
2. Cohen, S. Ed., Atlas of cosmetics and Reconstructive Periodontal Surgery. Ed. Williams and Wilkins, 2007, 450 p.
3. Dumitriu H.T. Parodontologie. București, 1997, 351 p.
4. Giano Ricci. Periodontal Diagnosis and Therapy. Quintessence Publishing Company, 2014. 752 pp; 3,071 illus. ISBN 978-88-7492-191-1, 9788874921911
5. Giovanni Zucchelli, Guido Gori. Mucogingival Esthetic Surgery. Quintessence Publishing Company, 2013. 830 pp; 2,000 illus; ISBN 978-88-7492-171-3, 9788874921713
6. Naoshi Sato. Atlas de chirurgie parodontală. Ediție în limba română: Q-Med Publishing S.R.L., București, 2006, 447 p.
7. Otto Zuhr, Marc Hurzeler. Plastic-esthetic periodontal and implant surgery. J. Quintessence Publishing, United Kingdom, 2012, 858 p.
8. Sculean S. Terapia parodontală regenerativă. Ed. Quintessence, București, 2013, 294 p.
9. Кулакова А. А., Робустовой Т. Г.. Хирургическая стоматология и челюстно-лицевая хирургия национальное руководство. Издательская группа ГЭОТАР- Медиа, Москва, 2010, 921с.



Teaching Guide Nr. 2 (year V, semester X)

Topic: Surgical Treatment of Periodontal Conditions. Gingival Curettage. Gingivectomy. Gingivoplasty.

Location: Clinical Foundations of the Department.

Purpose of the work: Within the practical work, students acquire the skills of examining patients, understanding the indications and contraindications for surgical interventions in periodontal conditions, and mastering the principles of surgical technique in gingival curettage, gingivectomy, and gingivectomy gingivo-plasty.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Methods and techniques in periodontal surgery. Classification.
2. Gingival curettage: objectives, indications, and contraindications; advantages and disadvantages; anesthesia methods, surgical technique, postoperative care.
3. Subgingival curettage in closed and open field (with papillary microincisions): objectives, indications, and contraindications; advantages and disadvantages; anesthesia methods, surgical technique, postoperative care
4. Gingivectomy: objectives, indications, and contraindications; advantages and disadvantages; anesthesia methods, surgical technique, wound protection, postoperative care, postoperative wound healing.
5. Gingivoplasty: objectives, indications, and contraindications; advantages and disadvantages; anesthesia methods, surgical technique, wound protection, postoperative care.
6. Periodontal microsurgery: Objectives; Advantages.

Recommended bibliography:

1. Corneliu Burlibașa. Chirurgie orală și maxilofacială. Editura medicală. București, 2007, 1312p.
2. Cohen, S. Ed., Atlas of cosmetics and Reconstructive Periodontal Surgery. Ed. Williams and Wilkins, 2007, 450 p.
3. Dumitriu H.T. Parodontologie. București, 1997, 351 p.
4. Giano Ricci. Periodontal Diagnosis and Therapy. Quintessence Publishing Company, 2014. 752 pp; 3,071 illus. ISBN 978-88-7492-191-1, 9788874921911
5. Giovanni Zucchelli, Guido Gori. Mucogingival Esthetic Surgery. Quintessence Publishing Company, 2013. 830 pp; 2,000 illus; ISBN 978-88-7492-171-3, 9788874921713
6. Naoshi Sato. Atlas de chirurgie parodontală. Ediție în limba română: Q-Med Publishing S.R.L., București, 2006, 447 p.
7. Otto Zuhr, Marc Hurzeler. Plastic-esthetic periodontal and implant surgery. J. Quintessence Publishing, United Kingdom, 2012, 858 p.
8. Sculean S. Terapia parodontală regenerativă. Ed. Quintessence, București, 2013, 294 p.
9. Кулакова А. А., Робустовой Т. Г.. Хирургическая стоматология и челюстно- лицевая хирургия национальное руководство. Издательская группа ГЭОТАР- Медиа, Москва, 2010, 921с.



Teaching Guide Nr. 3 (year V, semester X)

Topic: Surgical Treatment of Periodontal Conditions. Alveolar Bone Surgery. Mucogingival Surgery. Periodontal Recession. Flap Operations.

Location: Clinical Foundations of the Department.

Purpose of the work: Within the practical work, students will acquire the skills of patient examination, indications, and contraindications for curative surgical interventions in periodontal diseases, principles of surgical technique in alveolar bone and mucogingival surgery, and flap operations.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Alveolar Bone Surgery in Periodontal Surgery: Resection and bone shaping interventions (osteotomies and osteoplasties); Alveolar bone restoration interventions. Objectives; Surgical techniques, Indications and Contraindications; Advantages and Disadvantages.
2. Addition Therapy in Periodontal Surgery (Guided Tissue Regeneration): Biomaterials. Classification. Types of membranes. Objectives. Indications and Contraindications. Advantages and Disadvantages.
3. Periodontal Recessions. Clinical picture. Etiology. Classification. Diagnosis. Treatment methods.
4. Free Gingival Grafts in Periodontal Surgery: Objectives; Surgical technique, Indications and Contraindications; Advantages and Disadvantages. Postoperative care.
5. Flap Operations in Periodontal Surgery: Classification. (Apically displaced flap operation, coronally displaced flap operation; lateral flap operation). Objectives; Surgical technique, Indications and Contraindications; Advantages and Disadvantages. Postoperative care.
6. Flap Operations in Periodontal Surgery: Classification. (Partially reflected mucoperiosteal flap operations, totally reflected flap operations; Mucosal flap operations): Objectives; Surgical technique, Indications and Contraindications; Advantages and Disadvantages. Postoperative care.

Recommended bibliography:

1. Corneliu Burlibașa. Chirurgie orală și maxilofacială. Editura medicală. București, 2007, 1312p.
2. Cohen, S. Ed., Atlas of cosmetics and Reconstructive Periodontal Surgery. Ed. Williams and Wilkins, 2007, 450 p.
3. Dumitriu H.T. Parodontologie. București, 1997, 351 p.
4. Giano Ricci. Periodontal Diagnosis and Therapy. Quintessence Publishing Company, 2014. 752 pp; 3,071 illus. ISBN 978-88-7492-191-1, 9788874921911
5. Giovanni Zucchelli, Guido Gori. Mucogingival Esthetic Surgery. Quintessence Publishing Company, 2013. 830 pp; 2,000 illus; ISBN 978-88-7492-171-3, 9788874921713
6. Naoshi Sato. Atlas de chirurgie parodontală. Ediție în limba română: Q-Med Publishing S.R.L., București, 2006, 447 p.
7. Otto Zuhr, Marc Hurzeler. Plastic-esthetic periodontal and implant surgery. J. Quintessence Publishing, United Kingdom, 2012, 858 p.
8. Sculean S. Terapia parodontală regenerativă. Ed. Quintessence, București, 2013, 294 p.
9. Кулакова А. А., Робустовой Т. Г.. Хирургическая стоматология и челюстно-лицевая хирургия национальное руководство. Издательская группа ГЭОТАР- Медиа, Москва, 2010, 921с.



Teaching Guide Nr. 4 (year V, semester X)

Topic: Surgical Prosthetic Treatment in Soft Tissue Deficiencies.

Location: Clinical Foundations of the Department.

Purpose of the work: Within the practical work, students will acquire the skills of patient examination, indications and contraindications for prosthetic surgical interventions, principles of surgical technique in soft tissue deficiencies.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Surgical Prosthetic Treatment in Soft Tissue Deficiencies. General information. Classification. Thin mucosa, movable gingival crest. Clinical picture. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.
2. Hyperplastic Inflammatory Lesions: Epithelialconjunctival hyperplasia, inflammatory papillary hyperplasia of the palate, fibrous hyperplasia of the maxillary tuberosity, gingival hyperplasia. Clinical picture. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.
3. Anomalies of Frenula, Vestibular and Paralingual Bands. Clinical picture. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.
4. Short Vestibule. Extending the area of adherent fibromucosa and increasing the depth of the vestibular sulcus, methods (Clark, Obwegeser, Kazanjian, etc.); Paralingual groove plasty (Trauner). Clinical picture. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.

Recommended bibliography:

1. Corneliu Burlibașa. Chirurgie orală și maxilofacială. Editura medicală. București, 2007, 1312p.
2. Alexandru Bucur, Carlos Navarro Vila, John Lowry, Julio Acero. Compendiu de chirurgie oro-maxilo-facială. Volumul I. Ed. Q Med Publishing, București, 2009, 398p.
3. Gănuță N., Bucur A., Ștefănescu L., Marinescu R., Gănuță A., Bodnar H.. Chirurgie oro-maxilo-facială. Vol. II. Pentru uzul studenților. Tipărit la S. C. Național Imprim S.A., București, 1998, 490p.
4. Кулакова А. А., Робустовой Т. Г.. Хирургическая стоматология и челюстно- лицевая хирургия национальное руководство. Издательская группа ГЭОТАР- Медиа, Москва, 2010, 921с.



Teaching Guide Nr. 5 (year V, semester X)

Topic: Surgical Prosthetic Treatment in Bone Deficiencies.

Location: Clinical Foundations of the Department.

Purpose of the work:: Within the practical work, students will acquire the skills of patient examination, indications and contraindications for prosthetic surgical interventions, principles of surgical technique in bone deficiencies.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Surgical Prosthetic Treatment in Bone Deficiencies. General information. Classification. Irregular, thin alveolar crest. Clinical picture. Preoperative preparation (local, general). Operative technique in plastic surgery for shaping excess bone deformities (Regularization of the edentulous alveolar crest). Indications and Contraindications. Advantages and Disadvantages. Postoperative care.
2. Palatal and mandibular tori. Clinical picture. Preoperative preparation (local, general). Operative technique. Resection of tori. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.
3. Hyperostosis of maxillary tuberosities. Clinical picture. Preoperative preparation (local, general). Operative technique. Plastic shaping of maxillary tuberosities. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.
4. Hypertrophied genial tubercles, sharp mylohyoid ridges, prominent anterior nasal spine. Clinical picture. Preoperative preparation (local, general). Operative technique. Reduction of genial tubercles, sharp mylohyoid ridges, and prominent anterior nasal spine. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.
5. Mental foramen and superficial mandibular canal on the edentulous ridge. Clinical picture. Preoperative preparation (local, general). Operative technique. Repositioning of the mental foramen and transposition of the inferior alveolar bundle. Indications and Contraindications. Advantages and Disadvantages. Postoperative care.

Recommended bibliography:

1. Alexandru Bucur, Carlos Navarro Vila, John Lowry, Julio Acero. Compendium of Oro-Maxillofacial Surgery. Volume I. Ed. Q Med Publishing, Bucharest, 2009, 398p.
2. Corneliu Burlibașa. Oral and Maxillofacial Surgery. Medical Publishing House. Bucharest, 2007, 1312p.
3. Gănuță N., Bucur A., Ștefănescu L., Marinescu R., Gănuță A., Bodnar H.. Oro-Maxillofacial Surgery. Vol. II. For Students' Use. Printed at S. C. Național Imprim S.A., Bucharest, 1998, 490p.
4. Кулакова А. А., Робустовой Т. Г.. Surgical Dentistry and Maxillofacial Surgery National Guide. Publishing Group GEOTAR-Media, Moscow, 2010, 921p.



Teaching Guide Nr. 6 (year V, semester X)

Topic: Defects and Deformities of Tissues (Organs) in the Oral and Maxillo-Facial Region. Oral and Maxillo-Facial Plastic and Reconstructive Surgery.

Location: Clinical Foundations of the Department

Purpose of the work: Within the practical work, students will familiarize themselves with the goals and tasks of oro-maxillo-facial plastic and reconstructive surgery, gain knowledge of procedures in oro-maxillo-facial plastic and reconstructive surgery, interdisciplinary approach with other medical specialties, and principles and tools required.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Defects and Deformities of Tissues (Organs) in the Oral and Maxillo-Facial Region. Definition. Frequency. Etiology. Classification.
2. Oral and Maxillo-Facial Plastic and Reconstructive Surgery. Definition. History. Goals. Tasks. Classification of reconstructive (plastic) surgery procedures. Interdisciplinary approach of oral and maxillo-facial reconstructive surgery with other medical specialties. Indications and Contraindications. Advantages and Disadvantages.
3. Oral and Maxillo-Facial Plastic and Reconstructive Surgery. Utilized Biomaterials. Instruments. Suturing materials and techniques in plastic and reconstructive surgery.
4. Planning of Oral and Maxillo-Facial Plastic and Reconstructive Interventions. Stages.
5. Preoperative preparation of the patient and donor and recipient areas: studying the causes of the defect, deformation, volumetric analysis, assessment of local and general patient conditions, evaluation of autogenous or other nature plastic material sources, determination of fixation methods and pressure on flaps.
6. Basic stage of Oral and Maxillo-Facial Plastic and Reconstructive Interventions, the actual operation, preparation and mobilization of tissues, closure of the donor defect.
7. Correction stage of operations: planning correction interventions, intervention and rehabilitation terms.
8. Postoperative care of the patient and wounds (nature of dressings, wound drainage, controlled pressure). Postoperative medication treatment.

Recommended bibliography:

1. Corneliu Burlibașa. Oral and Maxillofacial Surgery. Medical Publishing House, Bucharest, 2007, 1312p.
2. Бернадский Ю. И. Basics of Maxillofacial Surgery and Surgical Dentistry. Medical Literature, Moscow, 2003, 404p.
3. Пейпла А. Д. Plastic and Reconstructive Surgery of the Face. BINOM. Knowledge Laboratory, Moscow, 2007, 951p.
4. Jensen Ole T. The Osteoperiosteal Flap. A simplified approach to alveolar bone reconstruction. Quintessence Publishing Co Inc, Illinois, 2010, 304p.
5. Lars Andersson, Karl-Erik Kahnberg, Anthony Pogrel M. Oral and Maxillofacial Surgery. Ed. Wiley-Blackwell, 2010, 1274p.
6. Кулакова А. А., Робустовой Т. Г.. Surgical Dentistry and Maxillofacial Surgery National Guide. Publishing Group GEOTAR-Media, Moscow, 2010, 921p.



Teaching Guide Nr. 7 (year V, semester X)

Topic: Flap Plasty.

Location: Clinical Foundations of the Department.

Purpose of the work: Within the practical work, students will grasp the indications and contraindications for pedicled flap plasty and adjacent sectors, the "Indian" method of rhinoplasty, and understand the principles of planning and performing surgical interventions.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Crossed triangular flap interventions. Surgical procedure stages. Indications and contraindications. Advantages and Disadvantages. Preoperative preparation. Anesthesia methods.
2. Simple, multiple, complex Z-plasty. Principles of technique in Z-plasty, N-plasty (transpositional). Indications. Operative technique.
3. Flap plasty in the rehabilitation of soft tissue defects of the nose. Indications and Contraindications. Advantages and Disadvantages. Preoperative preparation. Anesthesia methods. Patient and postoperative wound care.
4. Plasty of labial and perioral defects with flaps from the immediate vicinity of the defect. Surgical procedure stages. Indications and Contraindications. Advantages and Disadvantages. Preoperative preparation. Anesthesia methods. Patient and postoperative wound care.
5. Scar removal. Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Patient and postoperative wound care.

Recommended bibliography:

1. Corneliu Burlibașa. Oral and Maxillofacial Surgery. Medical Publishing House, Bucharest, 2007, 1312p.
2. Бернадский Ю. И. Basics of Maxillofacial Surgery and Surgical Dentistry. Medical Literature, Moscow, 2003, 404p.
3. Пейпла А. Д. Plastic and Reconstructive Surgery of the Face. BINOM. Knowledge Laboratory, Moscow, 2007, 951p.
4. Радлански Р., Вескер К. Лицо. Атлас клинической анатомии. Quintessence Publishing, Moscow, 2014, 348p.
5. Jensen Ole T. The Osteoperiosteal Flap. A simplified approach to alveolar bone reconstruction. Quintessence Publishing Co Inc, Illinois, 2010, 304p.
6. Lars Andersson, Karl-Erik Kahnberg, Anthony Pogrel M. Oral and Maxillofacial Surgery. Ed. Wiley-Blackwell, 2010, 1274p.
7. Кулакова А. А., Робустовой Т. Г.. Surgical Dentistry and Maxillofacial Surgery National Guide. Publishing Group GEOTAR-Media, Moscow, 2010, 921p.



Teaching Guide Nr. 8 (year V, semester X)

Topic: Transplantation in Oral and Maxillo-Facial Surgery. Free Skin and Mucosal Transplantation, Cartilage, and Bone Transplantation in Oral and Maxillo-Facial Region Defects.

Location: Clinical Foundations of the Department.

Purpose of the work: Within the practical work, students will understand the indications and contraindications, types of free skin, mucosal, cartilage, and bone transplants, principles of dermoplasty technique, free mucosal plasty, types of cartilage and bone transplants, and principles of osteoplasty technique.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Transplants in Oral and Maxillo-Facial Surgery. Classification. History.
2. Free skin and mucosal transplantation, dermoplasty. Indications and Contraindications. Advantages and Disadvantages. Preoperative patient preparation (local, general). Patient and postoperative wound care.
3. Types of free skin and mucosal grafts. Necessary conditions for free skin and mucosal transplantation. Technique of free skin and mucosal transplantation.
4. Free cartilage and bone transplantation, osteoplasty. Indications and Contraindications. Advantages and Disadvantages. Preoperative patient preparation (local, general). Patient and postoperative wound care.
5. Types of free cartilaginous and bony grafts. Necessary conditions for free cartilaginous and bony graft transplantation. Technique of free cartilaginous and bony graft transplantation.
6. Autotransplantation of vascularized grafts. Microsurgery in oral and maxillo-facial plastic and reconstructive interventions. Indications and Contraindications. Advantages and Disadvantages. Types of vascularized grafts. Transplantation technique. Preoperative patient preparation (local, general). Patient and postoperative wound care.

Recommended bibliography:

1. Corneliu Burlibașa. Oral and Maxillofacial Surgery. Medical Publishing House, Bucharest, 2007, 1312p.
2. Бернадский Ю. И. Basics of Maxillofacial Surgery and Surgical Dentistry. Medical Literature, Moscow, 2003, 404p.
3. Пейпла А. Д. Plastic and Reconstructive Surgery of the Face. BINOM. Knowledge Laboratory, Moscow, 2007, 951p.
4. Радлански Р., Веккер К. Лицо. Атлас клинической анатомии. Quintessence Publishing, Moscow, 2014, 348p.
5. Jensen Ole T. The Osteoperiosteal Flap. A simplified approach to alveolar bone reconstruction. Quintessence Publishing Co Inc, Illinois, 2010, 304p.
6. Lars Andersson, Karl-Erik Kahnberg, Anthony Pogrel M. Oral and Maxillofacial Surgery. Ed. Wiley- Blackwell, 2010, 1274p.
7. Кулакова А. А., Робустовой Т. Г.. Surgical Dentistry and Maxillofacial Surgery National Guide. Publishing Group GEOTAR-Media, Moscow, 2010, 921p.



Teaching Guide Nr. 9 (year V, semester X)

Topic: Aesthetic Surgery. Reconstructive and Aesthetic Plastic Surgeries.

Location: Clinical Foundations of the Department.

Purpose of the work: Within the practical work, students will familiarize themselves with plastic and aesthetic surgical methods.

Form of teaching and Duration: Seminar and practical work, 225 minutes.

Questions

1. Plastic and Aesthetic Surgery. General concepts. History. Reconstructive and Aesthetic Plastic Surgeries.
2. Forehead and eyebrow procedures. Blepharoplasty. Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Dressing and postoperative care.
3. Rhinoplasty. Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Dressing and postoperative care.
4. Otoplasty. Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Dressing and postoperative care.
5. Rhytidectomy (facelift). Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Dressing and postoperative care.
6. Liposculpture. Liposuction. Buccal fat pad removal. Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Dressing and postoperative care.
7. Injectable facial rejuvenation procedures. Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages.
8. Contour and facial shape correction. Alloplastic augmentations in the oro-maxillo-facial region. Patient examination. Preoperative preparation (local, general). Operative technique. Indications and Contraindications. Advantages and Disadvantages. Dressing and postoperative care.

Recommended bibliography:

1. Corneliu Burlibașa. Oral and Maxillofacial Surgery. Medical Publishing House, Bucharest, 2007, 1312p.
2. Бернадский Ю. И. Basics of Maxillofacial Surgery and Surgical Dentistry. Medical Literature, Moscow, 2003, 404p.
3. Пейпла А. Д. Plastic and Reconstructive Surgery of the Face. BINOM. Knowledge Laboratory, Moscow, 2007, 951p.
4. Радлански Р., Вескер К. Лицо. Атлас клинической анатомии. Издательство «Квинтэссенция», Москва, 2014, 348с.
5. Lars Andersson, Karl-Erik Kahnberg, Anthony Pogrel M. Oral and Maxillofacial Surgery. Ed. Wiley-Blackwell, 2010, 1274p.
6. Кулакова А. А., Робустовой Т. Г.. Surgical Dentistry and Maxillofacial Surgery National Guide. Publishing Group GEOTAR-Media, Moscow, 2010, 921p.



Teaching Guide Nr. 10 (year V, semester X)

Topic: Dentofacial Anomalies and Deformities. Orthognathic Surgery.

Location: Clinical Foundations of the Department.

Purpose of the work: Within the practical work, students will grasp concepts, terminology, general information, etiology, pathogenesis, classification of dentofacial maxillary anomalies and deformities in sagittal, vertical, and transversal planes. They will also understand the indications and contraindications for orthognathic surgical treatment. The session will review the clinical anatomy of the oro-maxillo-facial region, adjacent anatomical structures, and their relationships.

Training format and duration: Seminar and practical work, 225 minutes.

Questions

1. Dentofacial anomalies and deformities in sagittal, vertical, and transversal planes. General information. Etiology. Pathogenesis. Classification. Indications and contraindications for orthognathic surgical treatment.
2. Clinical and paraclinical examination of patients with dentofacial anomalies. Diagnosis. Treatment objectives. Treatment planning. Stages of dentofacial anomaly treatment: establishing the diagnosis and surgical-orthodontic therapeutic approach; pre-surgical orthodontic treatment, surgical treatment, post-surgical orthodontic treatment, associated treatments.
3. Surgical dento-alveolar methods in orthodontic treatment. Tooth extractions. Surgical exposure of impacted teeth. Orthodontic implants. Osseous pliability. Soft tissue plasty (mucogingival surgery, vestibuloplasty, frenoplasty). Specifics of implant treatment in dento-alveolar anomalies accompanied by primary anodontia.
4. Surgical techniques for mandibular osteotomy. Sagittal ramus osteotomy (Obwegeser-Dal Pont). Surgical intervention planning. Surgical protocol. Complications.
5. Genioplasty. Surgical intervention planning. Surgical protocol. Complications.
6. Surgical techniques for maxillary osteotomy. Le Fort I osteotomy. Surgical intervention planning. Surgical protocol. Complications.
7. Surgical treatment of dentofacial anomalies and deformities in sagittal, vertical, and transversal planes. Etiology. Pathogenesis. Diagnosis. Clinical presentation. Preoperative preparation. Surgical treatment. Postoperative care.

Recommended bibliography:

1. Alexandru Bucur, Carlos Navarro Vila, John Lowry, Julio Acero. Compendiu de chirurgie oro-maxilo-facială. Volumul II. Ed. Q Med Publishing, Bucharest, 2009, 928p.
2. Corneliu Burlibașa. Oral and Maxillofacial Surgery. Medical Publishing House, Bucharest, 2007, 1312p.
3. Lars Andersson, Karl-Erik Kahnberg, Anthony Pogrel M. Oral and Maxillofacial Surgery. Ed. Wiley- Blackwell, 2010, 1274p.
4. Proffit W. R., Fields Jr H. W., Sarver D. M. Contemporary Orthodontics. Fourth Edition. Mosby Elsevier, Canada, 2007, 751p.
5. Кулакова А. А., Робустовой Т. Г.. Surgical Dentistry and Maxillofacial Surgery National Guide. Publishing Group GEOTAR-Media, Moscow, 2010, 921p.
6. Hupp James R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.