**STATE UNIVERSITY OF MEDICINE AND PHARMACY**

**„NICOLAE TESTEMIŢANU”**

**FACULTY OF STOMATOLOGY**

**DEPARTMENT OF ORAL AND MAXILO-FACIAL SURGERY**

**AND ORAL IMPLANTOLOGY 'ARSENIE GUȚAN'"**

Teaching guides

Discipline: MEDICAL AND SURGICAL EMERGENCIES IN DENTISTRY

Discipline type: Compulsory

Discipline code: S.08.O.076

Year IV, semester VIII

 **Head of Department, dr.hab.in.med.sci., univ.prof Chele Nicolae**

 **Study Coordinator, PhD, assoc.prof. Motelica Gabriela**

Teaching Guide Nr. 1

(year IV, semester VIII)

Topic: Preoperative Evaluation of the Patient in Dental Practice.

First Aid Kit.

Workplace: Clinical Bases of the Department.

Purpose of the Work: To understand the criteria for preoperative evaluation of the patient in dental practice.

Training Format and Duration: lecture and practical work, 225 minutes.

Control Questions

1. Assessment of anesthetic and operative risk in the dental office.
2. The International Classification of Anesthetic Risk - ASA.
3. Assessment of the patient's functional status.
4. Managing patient anxiety.
5. Laboratory tests and their interpretation.
6. Risk factors for medical emergencies.
7. First aid kit: equipment, devices, and medications.

Bibliography

1. Lecture materials
2. Băciuţ g. Urgenţe medico-chirurgicale în stomatologie. Cluj-Napoca: Editura Medicală Universitară “Iuliu Haţieganu”, 2002.
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Teaching Guide Nr. 2

(year IV, semester VIII)

Topic: Respiratory emergencies.

Workplace: Clinical Bases of the Department.

Purpose of the Work: To know the triggers and management of respiratory crises

Training Format and Duration: lecture and practical work, 225 minutes.

Control Questions

1. Bronchial asthma crisis: etiology, clinical picture, treatment, prophylaxis.
2. Evaluation of the asthmatic patient in everyday medical practice.
3. Acute respiratory failure: definition, etiology.
4. Clinical presentation of airway obstruction.
5. Medical assistance in airway obstruction.

Bibliography

1. Lecture materials
2. Băciuţ g. Urgenţe medico-chirurgicale în stomatologie. Cluj-Napoca: Editura Medicală Universitară “Iuliu Haţieganu”, 2002.
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10. Peterson Larry. Principles of Oral and Maxillofacial Surgery. Second Edition, BC Decker Inc, 2004.

Teaching Guide Nr. 3

(year IV, semester VIII)

Topic: Cardiovascular Emergency.

Workplace: Clinical Bases of the Department.

Purpose of the Work: To know the triggering factors and management of cardiovascular emergencies.

Training Format and Duration: lecture and practical work, 225 minutes.

Control Questions

1. Angina pectoris attack: definition, etiology, clinical presentation, treatment, prophylaxis
2. Acute myocardial infarction: definition, etiology, clinical presentation, treatment, prophylaxis
3. Arterial Hypertension: Definition, Classification, Etiology, Clinical Presentation, Treatment, Prophylaxis
4. Syncope: Definition, Classification, Etiology, Clinical Presentation, Treatment, Prophylaxis
5. Cardiac Rhythm Disorders (Arrhythmias): Definition, Classification, Etiology, Clinical Presentation, Treatment

Bibliography

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2. Băciuţ g. Urgenţe medico-chirurgicale în stomatologie. Cluj-Napoca: Editura Medicală Universitară “Iuliu Haţieganu”, 2002.
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Teaching Guide Nr. 4

(year IV, semester VIII)

Topic: Allergic Emergency in Dentistry.

Workplace: Clinical Bases of the Department.

Purpose of the Work: To know the triggering factors and management of allergic emergencies.

Training Format and Duration: lecture and practical work, 225 minutes.

Control Questions

1. Allergy and allergens. General concepts. Allergenic materials. Routes of allergen entry into the body.
2. Classification of allergic reactions.
3. Urticaria: definition, clinical picture, diagnosis, treatment.
4. Quincke's edema: definition, clinical picture, diagnosis, treatment.
5. Anaphylactic shock: definition, etiological factors, pathophysiological mechanisms, clinical picture, diagnosis, treatment.

Bibliography

1. Lecture materials
2. Băciuţ g. Urgenţe medico-chirurgicale în stomatologie. Cluj-Napoca: Editura Medicală Universitară “Iuliu Haţieganu”, 2002.
3. Bucur A., Cioacă R. Urgenţe şi afecţiuni medicale în cabinetul stomatologic: note de curs. Bucureşti: Editura Etna, 2004.
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10. Peterson Larry. Principles of Oral and Maxillofacial Surgery. Second Edition, BC Decker Inc, 2004.

Teaching Guide Nr. 5

(year IV, semester VIII)

Topic: Cardio-Respiratory Resuscitation

Workplace: Clinical Bases of the Department.

Purpose of the Work: To know the steps of cardio-respiratory resuscitation.

Training Format and Duration: lecture and practical work, 225 minutes.

Control Questions

1. Chain of survival in adults.
2. Basic Life Support (BLS): definition, components.
3. Chest compressions: landmarks, rescuer's position, hand position, patient's position, compression rate and depth.
4. Methods of maintaining airway patency: head hyperextension, Safar's three-step maneuver, Esmarch maneuver.
5. Methods of checking breathing.
6. Methods of checking circulation.
7. Advanced Life Support (ALS): definition, components.
8. Defibrillation. Types of defibrillators. Preventive measures. Electrode placement.
9. Cardiac rhythms (shockable, non-shockable) and their treatment.
10. Post-resuscitation treatment.

Bibliography

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2. Băciuţ g. Urgenţe medico-chirurgicale în stomatologie. Cluj-Napoca: Editura Medicală Universitară “Iuliu Haţieganu”, 2002.
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