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## **TACTICS OF THE TEACHER FOR TRAINING OF AN INTERNSHIP DOCTOR ON THE TOPIC: "FRACTURES OF THE LOWER JAW AND ITS TREATMENT"**

**Relevance.** The problem of treatment of mandibular fractures, prevention of inflammatory complications during the treatment and means aimed at their elimination remain unresolved, so it is extremely important to involve internship doctors in this problem from the very beginning of their professional work.

**Keywords.** Injuries, lower jaw, examination, diagnosis, treatment, internship doctors.

The educational process is the information process that includes not only receipt, processing and mastering of information, but also checking of mastering of knowledge through practice. The issue of the ability to learn to receive knowledge (and only of transfer of knowledge) becomes more and more relevant.

The modern system of education is the integral system, in which all types, forms and methods of education co-exist in a reasonable way and the dominant role in which should be given to independent thinking of the internship doctor, his/her ability to make an independent decision.

An intern doctor, having a diploma of higher medical education, is not yet, in fact, a formed person and the task of the teacher during the period of interns' stay at the department is to continue to form him/her as a person, as a person and as a doctor in all respects.

First of all, the teacher plans the educational process, understanding the goals and objectives to train a highly qualified specialist with the latest knowledge of modern medical science and practice in a short period of stay in the internship.

At our department, we use a differentiated approach to teaching tools and methods (lectures, practical classes, seminars, conferences, etc.), but the greatest attention is paid to independent work under the guidance of a teacher in practical classes.

The problem of injuries of the mandibulofacial area is one of the most relevant problems of surgical dentistry. Up to 90 percent of all injuries to the mandibulofacial area are fractures of the lower jaw. Despite the use of modern means and methods of treatment (new antibacterial drugs, improved methods of immobilization, physiotherapy), the percentage of inflammatory complications is still high and the duration of treatment of these patients does not reduce.

The dentist should clearly know that timely treatment of injuries, correct diagnosis, and mandatory transport immobilization of damaged bones will help to avoid various complications.

We set a goal to study the nature, localization, types of fractures of the lower jaw, classification and mechanism of displacement of fragments during lectures, practical classes and seminars with internship doctors as well as to familiarize the internship doctors with the methods of examination of patients with lower jaw fractures, temporary immobilization of fragments, selection of methods of permanent immobilization and its implementation.

The classes are held on the basis of the mandibulofacial department of city hospital No. 2 of Kryvyi Rih city.

The main factors of damage to the mandibulofacial area in residents of the industrial region of Kryvyi Rih city were domestic injuries, often in a state of intoxication, fractures of the lower jaw accounted for 65.1 percent of all injuries.

Outside of the training session, the internship doctors prepared for a practical lesson: they repeat the material they have previously studied, which is necessary for studying this topic. This is the issue that requires knowledge of the anatomy of the lower jaw, its innervation and blood supply, the mechanism of the chewing apparatus, types of chewing muscles, their function. The next stage of the practical sessions was curation of patient with fracture of the lower jaw: internship doctors under the guidance of a teacher carried out a survey of the history of damage, paying attention to the character of the pain, localization, presence of edema, bleeding from mouth, difficulty chewing, disrupted occlusion of teeth, breathing problems; paying attention to the presence of dizziness, nausea, vomiting.

During the interview of patients, the internship doctors must identify where, when, under what circumstances the injury occurred and determine its nature (household, industrial, road, sports or other). The internship doctors must pay attention

to whether the patient remembers about the events prior to the injury, what did patient felt when trauma occurred: the character and duration of pain, state of breathing, swallowing, speech, whether the patient was in a condition of alcoholic intoxication.

After the complaints and anamnesis are obtained, it is necessary to obtain the anamnesis of life: previous and concomitant diseases, the presence of allergic reactions, previous damage to the teeth, jaws, bad habits.

After anamnesis, a thorough examination of the patient is conducted. The teacher draws the attention of internship doctors to the general condition of the patient (adynamia, drowsiness, state of consciousness, fatigue, agitation), the condition of the skin of the face, the presence of abrasions, hemorrhages, their localization, as well as changes in the configuration of the face, neck, submandibular area, edema and soft tissue damage, their size, wound depth, direction of the wound canal, contamination of the wound.

The examination of the oral cavity is very important: the degree of opening of the mouth, the condition of the teeth, the condition of the mucous membrane, damage to the teeth and their correlation in the upper and lower jaws. After a thorough examination, internship doctors, under the guidance of a teacher, perform palpation of soft tissues in the area of damage. Internship doctors pay attention to the increase in pain, the presence of edema, foreign objects, subcutaneous crepitation. During the finger examination of the lower jaw, internship doctors pay attention to the pathological mobility of the fragments at the load increase. After such an examination, Internship doctors will be able to establish a preliminary diagnosis.

Auxiliary methods of examination are important for making a final diagnosis: a clinical examination of blood and urine analyses, biochemical examinations, a survey radiography of the facial bones in two projections, a computer tomogram and so on. Internship doctors interpret the data of these analyses together with the teacher, make a final diagnosis and choose a treatment method: the most rational way to immobilize the fragments.

Before starting treatment of lower jaw fractures, internship doctors should prepare answers to check questions:

types of ligature bandages, the purpose of their use for fractures of the lower jaw;

methods of repositioning of the fragments of the lower jaw;

methods of pain management;  
transport immobilization of fractures of the lower jaw;  
methods of fixation of fractures;  
resonating and immobilizing splints;  
extra-oral fixation of the lower jaw fragments,  
surgical methods of treatment of fractures of the lower jaw;  
complex treatment of fractures.

After the discussion of these questions, internship doctors take part in the treatment of patients with fractures of the lower jaw: application of bent wire splints, intermandibular traction, application of four-tailed bandages, assistance in osteosynthesis with mini-plates.

At the end of the practical session, internship doctors conduct a knowledge control test to consolidate the material.

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## CONTENTS

### PEDAGOGICAL SCIENCES

#### Distance education

Духаніна Н.М. ЕЛЕКТРОННИЙ ПІДРУЧНИК: ОСУЧАСНЕННЯ НАВЧАЛЬНОГО ПРОЦЕСУ .....	3
--	---

#### Problems of training of specialists

Nikolaïenko O.V., Ushata T.O. MODERN ASPECTS OF TEACHING ESP AT HIGHER EDUCATIONAL ESTABLISHMENTS.....	6
--	---

Наметілда Б.С. , Мураталиева А.А. , Тулеубаев Ж. ТҮЙЕТАУЫҚ ҚҰСТАРЫНЫҢ ӨНІМДІЛІГІ МЕН ЕТІНІҢ САПАСЫН АРТТЫРУ .....	9
---	---

Denysenko Iona THE REASONS OF COMMUNICATIVE-LINGUISTIC BARRIERS OCCURRING AND METHODS OF ITS CORRECTION.....	14
--	----

Бақытқызы Г., Рысалдиев Ж.М. ИНКЛЮЗИВТІ БІЛІМ БЕРУ - ӨМІР ҚАЖЕТТІЛІГІ .....	17
---	----

Оразалы К.Т. ,Есенбаева Г.А., СОСТОЯНИЕ И ПЕРСПЕКТИВЫ РАЗВИТИЯ АККРЕДИТАЦИИ В ОБЛАСТИ ОЦЕНКИ СООТВЕТСТВИЯ В РЕСПУБЛИКЕ КАЗАХСТАН.....	21
---	----

Boyko H. H. TACTICS OF THE TEACHER FOR TRAINING OF AN INTERNSHIP DOCTOR ON THE TOPIC: "FRACTURES OF THE LOWER JAW AND ITS TREATMENT" .....	25
--	----

Prakhova S.A. Semenov K. A. THE INFLUENCE OF CRITICAL THINKING SKILLS ON THE EFFECTIVENESS OF MASTERING KNOWLEDGE BY INTERNSHIP DOCTORS OF THE POSTGRADUATE EDUCATION FACULTY .....	29
---	----

Prakhova S.A., Semenov K. A. DISTANCE LEARNING WITHIN THE FRAME OF MODERN EDUCATIONAL SYSTEMS .....	36
---	----

#### Methodical bases of the educational process

Серикбаева Г.А., Сейткул А.Б., Құрал А.Н. ҚАЗАҚ ЭТНОПЕДАГОГИКАСЫНДА АДАМГЕРШІЛІК ТӨРБИЕСІНІҢ ЕРЕКШЕЛІГІ.....	42
--	----

#### Strategic directions of reforming the education system

Нуримова А.А. ,Молдабек Қ СТУДЕНТТЕРДІҢ ШЫҒАРМАШЫЛЫҚ БЕЛСЕНДІЛІГІН ҚАЛЫПТАСТЫРУ - ШЕШІЛЕТІН ПРОЦЕСС.....	47
--	----