**Methodical development of practical exercises**

**for teachers on a cycle**

**«HOSPITAL SURGERY»**

**Practical lesson № 3**

1. **Theme of the lesson: «Acute and chronic pancreatitis».**
2. **Purpose:** to consolidate and expand the spectrum of students' knowledge and skills on the problem of surgical pathology acute and chronic pancreatitis, the formation and assimilation of the foundations of professional competence in relation to the section of surgical diseases under study.
3. **Tasks:**

**The training task:** to consolidate knowledge on the surgical anatomy of the pancreatitis, to analyze the data obtained earlier on the normal physiology of the pancreatitis and the disturbance of its functions in the development of pathology, to study the classification, etiology, clinic of the disease. Learn to identify the symptoms of these diseases, learn to evaluate the laboratory, radiological and endoscopic survey data, study the tactics in these diseases, methods of conservative treatment, indications for surgery, principles of surgical treatment for these diseases.

**Developmental task**: to develop skills in working with medical literature, to communicate with patients, their relatives, medical workers, to develop skills in general clinical and surgical examination of patients, perform routine surgical manipulations, to promote the formation of clinical thinking skills, the ability to make decisions, assessing the degree of risk in difficult situations.

**Educating task**: to cultivate respect for patients, their relatives, colleagues, a sense of responsibility for all medical and other actions.

1. **Questions for self-preparation:**

1. Anatomy of the pancreas. Functions of the pancreas.

2. Etiology, pathogenesis, classification of acute pancreatitis.

3. Clinic and diagnosis of acute pancreatitis.

4. Conservative therapy of acute pancreatitis.

5. Surgical treatment of acute pancreatitis.

6. Etiology, classification of chronic pancreatitis.

7. Clinic and diagnosis of chronic pancreatitis (indurative, pseudotumorous, pseudocystic, calculous).

8. Conservative and surgical treatment of chronic pancreatitis.

1. **Basic concepts of the topic:**

1. chronic pancreatitis

2. chronic indurative

3. pseudotumorous

4. pseudocystic

5. calculous

6. "latent form"

7. chronic painful form

8. chronic recurrent pancreatitis

9. the point of Mayo-Robson

10. The Kacha point

11. the point of Desjardins

12. The point of Shafar

13. the syndrome of biliary hypertension

14. Symptom Courvoisier

15. steatorrhea

16. Creatorrhea

17. Amylaseemia

18. lipaseemia

19. Cholangitis

20. Spasmolytics

21. Enzyme replacement therapy

22. cholecystectomy

23. transduodenal papillosphincterotomy

24. endoscopic papillosphincterotomy

25. biliodigestive anastomoses

26. pancreatoduodenal resection

1. **Chronocard lessons.**

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| №  п/п | Stages and contents of the lesson | Мethods and forms | Time |
| 1  1.1  1.2  1.3 | Introductory part of the lesson  Announcement of the topic, objective of the lession.  Evaluation of the readiness of the audience, equipment and students.  Characteristics of the stages and content of the work of students in lesson | Сonversation | 5 minutes |
| 2 | Detection of basic (theoretical) knowledge of students (answers to questions, test tasks, interview). | Interview, survey, testing | 35  minutes |
| 3 | Independent work of students under the supervision of the teacher (evaluation of the results of the examination of patients, the decision of situational problems, the analysis of clinical cases, the construction of diagnostic and therapeutic algorithms). | Work in small groups | 60  minutes |
| 4 | Quality control of students 'knowledge on the topic of the lession (interview, solving of situational tasks, listening to abstracts, discussion of results of students' out-of-class work). | Interview, survey, testing | 70  minutes |
| 5  5.1  5.2  5.3 | The final part of the lesson:  Conclusions on the topic.  Evaluation of the work of students in lession.  Homework for the next lesson | Conversation, individual rating | 10  minutes |

1. **Location:** classroom
2. **Didactic and technical equipment of the lesson**

- Didactic: tables, educational and clinical records of the disease, X-ray picture

- Material and technical: chalk, blackboard.

9. **Literature**

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| Main literature | Rajgopal, Shenoy KManual of Surgery [Текст] = Руководство по хирургии : руководство / Shenoy K Rajgopal. - 7-е изд. - New Delhi : GBS Publishers & Distributiors (Pvt.) Ltd., 2009. - 827 с. : ил. - ISBN 81-239-1237-4 : 1200.00 р., 660.00 р.  Перевод заглавия: Руководство по хирургии |
| Additional literature | 1. Surgical diseases "/ MI Kuzin, 2015. - 992  2. Surgical diseases: textbook / ed. A.F. Chernousov. - Moscow: GOETAR-Media, 2010. - 664 .: ill. + CD. |