98-а підсумкова наукова конференція професорсько-викладацького персоналу БУКОВИНСЬКОГО ДЕРЖАВНОГО МЕДИЧНОГО УНІВЕРСИТЕТУ



group. Thus, 82,0% of the disabled people due to eye injuries are individuals of 21-50 years of age, the second group of the frequency curve of eye injuries corresponds to the age of 75 and older. Existing methods of surgical and medical treatment of corneal-scleral injuries are not effective enough. In 12-20% of cases injuries lead to subatrophy of the eyeball. The frequency of infectious complications after penetrating eye injuries ranges between 5 to 50% according to different authors.

Modern technology of diagnostics and treatment of penetrating anterior eye segment injuries uses CT, MRT, OCT and others which can improve qualified medical aid and results of treatment for these patients.

Kozlovska I.M. OPTIMIZATION OF SURGICAL TREATMENT OF CHRONIC ANAL FISSURES

Department of Surgery № 2 Higher State Educational Establishment of Ukraine "Bukovinian State Medical University"

The majority of clinicians suggest that the only radical method of treatment of chronic anal fissures (CAF) is surgery. Availability of early and late post-operative complications is indicative of insufficient radicalism of known surgical methods of treatment. Thus, rectal fistulae are diagnosed in 1-2% of patients, anal strictures – in 7-8%, anal incontinence – in 12-15%, relapses of the disease – in 10% of patients. Total occurrence of post-operative complications achieves 35%.

The objective of the study is to improve direct and remote results of surgical treatment of patients with CAF by means of substantiation, elaboration and introduction of a new method of radical surgical treatment.

The results of treatment of 112 patients with CAF were analyzed during 2013-2016. The patients were divided into two groups: I group - 57 individuals (50,89%) - operated on by means of a designed surgical method (the Useful Model Patent of Ukraine N 91491). The second (II) group included 55 individuals (49,11%) - the patients operated on by means of common surgical methods.

Since the third post-operative day and during the whole early post-operative period a considerable reduction of pain was marked in the main group (p<0,001). Before the beginning of treatment there was no statistically considerable difference found concerning the quality of life of patients in both groups (p>0,05). After surgical treatment all the patients admitted a reliable improvement of all the parameters of their quality of life. At the same time, a considerable advantage of all the parameters in the main group was found that was in 1,1-1,3 times higher (p<0,05-0,001) than in the patients undergone a common treatment.

According to all the criteria the efficacy of therapy in the patients of the main group is higher. Particularly, CAF relapse in the group of comparison occurred 2,68 times more frequently as compared to the main group, and anal sphincter failure was detected only among the patients from the group of comparison. Cicatrical strictures were not found in the main group, and the term of a complete healing of the operative wound was 27,58% less as much.

Introduction of a suggested surgical method to treat CAF enables to make the period of patients' inability to work shorter, to improve direct and remote results of the treatment, to reduce the number of post-operative complications, to restore the tonus of the anal sphincter quickly. Application of our designed method to treat chronic anal fissures increases considerably the efficacy of treatment and improves the quality of patients' life, which to our mind, can be a method of choice to treat the given pathology and ensures a high rate of social and working rehabilitation of patients.

Kulachek Y.V., Kulachek F.G. INFLUENCE NON SPECIFIC PARTS OF THE IMMUNE PROTECTION COURSE FOR LIVER INJURY

Department of General Surgery Higher state educational establishment of Ukraine «Bukovinian State Medical University»

System immunological surveillance allocated one of the leading places in the process flow pathological conditions. One of the manifestations of complications in patients with abdominal trauma is low phagocytosis, reduced antibody synthesis, increased production of T-suppressors, cytokines deregulation in the system. Moderate levels of proinflammatory cytokines increase in plasma observed in uncomplicated post-traumatic liver injury period, although in the case of systemic inflammatory response syndrome of endogenous intoxication and increase this level in 10 or more times. Post-traumatic period in patients with liver injury affects various parts of immune regulation. Compensatory reactions can lead to different directions of change – from episodic to persistent syndromes critical states. Non-specific resistance plays a leading role as a course of abdominal injuries in general and in the development of postoperative complications directly.

For the selection of initial indicators benchmark index was used the control group of patients: phagocytic index $65.14 \pm 3.48\%$, the number of phagocytic 3.26 ± 0.12 , completeness phagocytosis index 1.17 ± 0.06 , CIC 74.98 ± 2.59 units.

Therefore for study of immunoregulatory mechanisms abdominal trauma progress trigger the special role should be given to components of endogenous intoxication that not only runs but supports a high activity of the immune system, exhausting it in time the onerous factors of traumatic injuries and comorbidity victim. In addition, studies of this level of immune protection as phagocytosis were compared with the damage of parenchymal organs and the use of preventive measures by the proposed method. We use intra-abdominal thermometry and local supply of antiseptic