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*Experimental Studies***The effect of neostigmine on postoperative ileus and the healing of colon anastomoses**

Emirleroglu M, Ekçi B, Durgun V ..... 309  
 Nutritional status of the patient is one of the most important factors of the anastomoses healing. But postoperative ileus has an influence on postoperative nutrition and anastomoses healing. Starting the early intake of nutrition with neostigmine in the postoperative period reduced the postoperative ileus and increased the healing of colon anastomoses.

**Selenium supplementation prevents lipid peroxidation caused by arduous exercise in rat brain tissue**

Akil M, Bicer M, Menevse E, Baltaci AK, Mogulkoc R. 314  
 The objective of the present study is to examine how selenium supplementation affects lipid peroxidation in the brain tissue of rats subjected to acute swimming exercise. Results of the study indicate that acute swimming exercise in rats increased the lipid peroxidation in the brain tissue of rats, while selenium supplementation prevented the free-radical formation by enhancing the antioxidant activity.

**Evaluation of TGF beta expression and comparison the thickness of different aorta layers in experimental diabetes**

Cuce G, Kalkan SS, Esen HH ..... 318  
 The results of the presented study suggest that 60 day duration of diabetes is not sufficiently enough time for the development of pathological changes that could lead to thickening in aortic intima-media layers. TGF  $\beta$ 1 expression was negative in the abdominal aorta that can predispose to the development of atherosclerosis, which could develop overtime. This finding may be interpreted as an appropriate basis for the development of atherosclerosis. In the thoracic aorta TGF  $\beta$ 1 may coordinate cellular events such as tissue repair.

**Effect of boron supplementation on plasma element distribution in ovariectomized rats subjected to acute swimming exercise**

Yazici Z, Baltaci AK, Mogulkoc R, Halifeoglu I, Kaya Y ..... 323  
 This study aims to examine how boron supplementation affects distribution of elements in the plasma of rats whose ovaries were removed and who were subjected to swimming exercise. Results of the study indicate that acute swimming exercise in ovariectomized rats supplemented with boron leads to significant modifications in the distribution of some trace elements in the plasma. It can be emphasized as a separate result of this study that changes in copper, zinc and calcium levels were independent of boron supplementation.

*Clinical Studies***Treatment results of non-varicose bleeding from upper gastrointestinal tract**

Mikolajcik A, Sutiak L, Smolar M, Zelenak K, Kycina R, Polacek H, Janik J, Danova I, Mistuna D ..... 327  
 Objective of this work was to compare the results in treatment of patients with non-varicose bleeding from upper gastrointestinal tract in two different 5-years periods. Number of urgent operations decreased due to improved results in definitive conservative and endoscopic haemostasis in the treatment of non-varicose bleeding from upper gastrointestinal tract. There was no significant change in the relaps of bleeding. There were only

minimal changes in total mortality between both groups, but postoperative mortality increased in the second period.

**Prevention of postoperative nausea and vomiting with a small dose of propofol combined with dexamethasone 4 mg or dexamethasone 8 mg in patients undergoing middle ear surgery: A prospective, randomized, double-blind study**

Arslan M, Demir ME ..... 332  
 Postoperative nausea and vomiting (PONV) is a common complication after middle ear surgery. We have aimed to compare the administration of a subhypnotic dose of propofol with dexamethasone 4 mg or 8 mg and placebo in prevention of postoperative nausea and vomiting (PONV) after middle ear surgery. The administration of a subhypnotic dose of propofol plus 4 mg of dexamethasone at the end of surgery was found to be at least as effective as propofol plus 8 mg of dexamethasone in preventing the PONV in the early postoperative period in adult patients undergoing middle ear surgery.

**Comparison of local steroid injection into carpal tunnel via proximal and distal approach in patients with carpal tunnel syndrome**

Kamanli A, Bezigincan M, Kaya A ..... 337  
 In this study, we aimed to compare the effects of proximal and distal approach to the carpal tunnel regarding the steroid injection application in patients with idiopathic CTS for confirmed nerve conduction studies (NCS). This study showed that steroid injection from distal approach (palmar) into the carpal tunnel on patients with CTS is very comfortable, easy, effective and alternative.

**The effect of prenatal factors on the development of colon cancer**

Ozdemir F, Ersoy K, Topbas M, Fidan E, Yildiz B, Kavgaci H, Aydin F ..... 342  
 Advanced father age and smoking of mother may be risk factors for colon cancer in children. But, more advanced studies are needed on the effects of prenatal factors.

**The main differences in oral exposures in children and adults**

Emet M, Beyhun NE, Uzkeser M, Cakir Z, Aslan S ..... 346  
 This study aimed to determine the epidemiological differences between children and adult oral exposures in patients admitted to the busiest emergency department (ED) in the Eastern Anatolia region of Turkey. This study hereby presents the original findings as to predict the problems in exposures. The distribution of etiological agents and suicidal intent rate may differ among pediatric and adult population.

*Case Reports***Tamoxifen/Norfloxacin interaction leading to QT interval prolongation in a female patient with extracranial meningioma**

Slovacek L, Priester P, Petera J, Slanska I, Kopecky J .. 353  
 This case report highlights the potential risk of tamoxifen causing depression of electrical impulse in sinoatrial node, leading to symptomatic sinus bradycardia with prolonged QT interval. At the same time it indicates the need to be on the look out for drug interactions (in our case between tamoxifen and norfloxacin), as well as to be aware of other drugs possibly inducing QT interval prolongation.

**Autoimmune hypothyroidism: Might its presence be useful to support the diagnosis of sarcoidosis in a patient with acute symmetrical oligoarthritis?**

Fernandez-Fernandez FJ, Sanchez-Trigo S, Sesma P .... 355

Acute sarcoid arthritis may be present in isolation or as part of Löfgren's syndrome. Its true incidence is unclear since the diagnosis may be difficult when patients present with articular symptoms alone. The diagnosis of sarcoid arthritis is based upon suggestive clinical, imaging, synovial fluid findings, and in some cases upon synovial biopsy. We describe herein a patient with subclinical autoimmune hypothyroidism and an acute symmetrical oligoarthritis, with a clinical presentation and laboratory data consistent with acute sarcoid arthritis.

**Probably the oldest patient with the diagnosis of medullar conus teratoma**

Musil J, Mrljan A, Duba M, Kren L, Smrcka M ..... 357

Authors present a case report of a 60 year old patient suffering from several movement and sensitivity disorders lasting for several months. On magnetic resonance scans a huge extramedullar intradural structure was described. All forms of teratoma are chemo- and radioresistant, so beside total extirpation we have no relevant possibilities to cure this tumour. The size of the extirpation is mostly limited by the time of appearance, the size of the tumour and by the potential damages of the normal spinal cord tissue, which could be protected by using neurophysiology.

**Celiac disease manifested during the treatment of chronic hepatitis C by pegylated alpha interferon and ribavirin**

Gombosova L, Jarcuska P, Benova B, Benicky M, Lazurova I ..... 360

Authors report a case of patient suffering from haemophilia A and hepatitis C virus infection acquired probably after blood transfusions and substitution factors application. He was treated with pegylated interferon alpha and ribavirin, with the development of malabsorption symptoms during the therapy. Celiac disease was established by histological, histochemical and serological examinations. development of celiac disease during interferon alpha therapy with haemophilia A was not published until now.

**Complications of misuse of Bacillus Calmette-Guerin**

Cevik Y, Ozer M, Das M, Ertok I, Kavalci C, Ergul E, Durukan P ..... 363

Intravesical BCG is a good treatment choice for vesical carcinomas. Nevertheless, it can also become a mortal toxin when applied in a wrong way. The application routes of the prescribed drug should be rigorously described to patients and detailed instructions regarding the ways of application such as intravesical application should be given to the persons taking this medicine.