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Single extrasystoles in patients with chronic respiratory insufficiency at lowlands, studied by Halberg cosinor regression, show a marked increase in their frequency versus health. Supraventricular extrasystoles exert more rhythmicity at health while the ventricular in disease. Circadian periodicity was dominating except the 8h ultradian for supraventricular extrasystoles in disease.

- Role of haemathological testing: ratio values of circulating platelet aggregates in visual field loss associated with pseudoexfoliation glaucoma**
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The aim of the work is to examine the role of circulating platelet aggregates (CPAs) in association with pseudoexfoliation glaucoma (PXG) and searching for visual field (VF) progression. The obtained decreased values of CPA proportion were caused by hypercoagulability of blood in PXG group resulting finally in ischaemia and hypoxia helping the progression of visual field. In conclusion, our study shows that CPA examination improves the assessment of the vascular role and PXG prognosis.

- Mechanical injuries of the eye**
Potockova A, Strmen P, Krasnik V, Olah Z 329

Traumatic mechanical damage of the eye can cause serious morphological and functional changes in eye structures. Thorough examination and appropriate approach are essential in successful treatment and maintenance of visual functions. Traumatic mechanical damage of the eye can result in serious morphological and functional impact on eye tissue structures. Globe rupture often causes a visual loss despite advances in diagnostic and surgical procedures. Proper examination and appropriate approach are essential in successful treatment and saving the visual functions. Modern diagnostic and surgical procedures can save many eyes and maintain their useful function.

- Clinical determinants of suppurative cholangitis in malignant biliary tract obstruction**
Doganay M, Yuksek YN, Daglar G, Gozalan U, Tutuncu T, Kama NA 336

The purpose of this study was to find the factors predicting the suppurative cholangitis in malignant biliary tract obstruction.

Identification of these risk factors may be worthwhile in the early diagnosis and treatment of the disease. Fever, high bilirubin level, leukocytosis and ERCP performed in the preoperative period were independently associated with suppurative cholangitis.

- Is the Behcet's disease a risk factor for osteoporosis and is relation to cytokines?**
Kirnap M, Calis M, Kaya N, Muhtaroglu S 340

Behcet's disease is a complex, multisystemic, chronic inflammatory disorder. This study was carried out on 60 patients and 24 sex- and age-matched healthy controls. Behcet's disease can be a risk for osteoporosis especially in the lumbar spine. We determined a negative correlation between IL-1 and femur neck BMD

Case Reports

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Dordevic M, Jovanovic B, Mitrovic S, Dordevic G, Radovanovic D, Sazdanovic P 345

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- Surgical Treatment of Hepatic Hydatid Cyst: Cystojejunostomy by Stapling**
Mustafa Sahin, Hande Koksak, Huseyin Yilmaz 349

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- Allergic myocardial infarction due to hydatid cyst: an autopsy case**
Eren B, Turkmen N, Fedakar R 351

Hydatid disease is a parasitic tapeworm infestation. Anaphylactic reactions as a result of cyst perforation generally occur after trauma during a spread of cystic fluid in the intravascular space, which may also initiate anaphylaxis. The reported case was a 17-year-old boy who was admitted to the hospital emergency department with a sudden onset of nausea, vomiting and fainting, resulting in death. The cause of his sudden death was unknown.

- Congenital polycystic kidney disease in one of the twins**
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Topical Review

- The role of ascorbic acid and monosodium glutamate in thymocyte apoptosis**
Pavlovic V, Sarac M 357

The studies on experimental animals have confirmed the important role of monosodium glutamate in thymus cytotoxicity, but protective role of antioxidants is still not uniform. This article reviews monosodium glutamate induced toxicity in thymus and protective role of ascorbic acid in toxicity and secondary immunological consequences.