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*Clinical Studies***Trichophyton mentagrophytes var. quinckeanum as a cause of zoophilic dermatomycosis in a human family**

Bilek J, Baranova Z, Kozak M, Fialkovicova M, Weissova T, Sesztakova E 383

Trichophyton mentagrophytes var. *quinckeanum* is a zoophilic form of *T. mentagrophytes*. It induces murine favus in the form of coarse yellow scutules bigger than 1 cm in diameter. In March, 2002, a 52-year-old male patient was examined at the Dermatology Clinic of the Medical Faculty in Košice with a 1-week anamnesis of a solitary, oval, annular focus, 3 cm in diameter, on the right side of his face, located subauricularly.

Behcet's syndrome

Kovacova E, Salmas J, Stenova E, Bedeova J, Duris I 386

Behcet's syndrome is a systemic illness of unknown etiology characterized by necrotising vasculitis originally described in Turkey. Typical manifestations include orogenital ulcerations, eye inflammation and migratory thrombophlebitis. An unusual course of this disease is described.

Serum C-reactive protein (CRP) in association with various nutritional parameters in maintenance hemodialysis patients

Hamid Nasri 390

Malnutrition and inflammation are common in hemodialysis (HD) patients, and are usually closely associated. Serum C-reactive protein (CRP) concentrations have been found to be significantly elevated in hemodialysis patients and reflects chronic inflammation, and as an acute-phase reactant, is a sensitive and independent marker of malnutrition.

Combination of osteotomy of the first metatarsal according to Frejka with McBride operation procedure in surgical therapy of extreme hallux valgus

Kokavec M, Novorolsky K, Bdzoch M 396

The authors consider the combination of wedge osteotomy of the first metatarsal basis with the operation according to McBride to be suitable in the therapy of extreme valgosity of great toes with increased metatarsal angle between first and 2nd metatarsal in young patients with minimum of changes in the metatarsophalangeal joint developed due to arthrosis.

Complications in patients with uveal melanoma after stereotactic radiosurgery and brachytherapy

Furdova A, Strmen P, Sramka M 401

Malignant uveal melanoma is the most common intraocular tumour with the incidence about 0.7–1.0 in 100.000 inhabitants. Enucleation is still a standard treatment method for posterior uveal melanoma, but conservative methods are an adequate alternative. Brachytherapy has been used more than 20 years in our Department, stereotactic radiosurgery was introduced in 1999.

*Experimental Studies***Dual inhibition of angiotensin converting enzyme and neutral endopeptidase produces effective blood pressure control in spontaneously hypertensive rats**

Kostova E, Jovanoska E, Zafirov D, Jakovski K, Maleska V, Slaninka-Miceska M 407

The authors evaluated the hypotensive effect of a dual ACE/NEP inhibitor (omapatrilat) in comparison to a NEP inhibitor (candoxatril) and ACE inhibitor (enalapril) in spontaneously

hypertensive rats. The two week treatment with omapatrilat produced a significant decrease of the systolic blood pressure and the serum ACE activity, as well as a significant increase of the plasma ANP concentrations. These obtained results suggest that omapatrilat should be considered as a new potential therapeutic agent in blood pressure management.

Surfactant lung lavage using asymmetric high-frequency jet ventilation followed by conventional ventilation in rabbits with meconium aspiration

Mokra D, Calkovska A, Drgova A, Javorka K 412

Surfactant or saline lung lavage was performed in rabbits during asymmetric high-frequency jet ventilation (HFJV, f 300/min, Ti 70 %). After the lavage, animals were ventilated conventionally for 1 hour. Asymmetric HFJV improving meconium removal followed by conventional ventilation keeping adequate gas exchange was advantageous combination in rabbits with meconium aspiration.

*Therapy***Combination therapy of colorectal carcinoma**

Vokurka J, Spurny V, Kabela M 416

The aim of the study was to optimise the present therapy for colorectal carcinoma according to the standard therapeutic protocol. The possibility of administering oral fluoropyrimidines makes these studies even more attractive.

20-year experience with operations for popliteal artery aneurysm

Podlaha J, Holub R, Konecny Z, Leybold J, Dvorak M, Piskac P 421

We present a 20-year experience in surgical treatment of popliteal aneurysm in 67 patients. We conclude that popliteal aneurysm should be surgically treated as soon as possible, preferably before development of ischaemic complications.

*Biometrics***Secular rhythms and Halberg's paraseasonality in the time occurrence of cerebral stroke**

Kovac M, Mikulecky M Sen. 423

The time sequence of numbers of patients with cerebral stroke in a south-west Slovakian district from was monitored 1989 to 2004 and subsequently statistically analyzed. For each of the three diagnoses – cerebral infarction (6100 cases), cerebral hemorrhage (415 cases) and subarachnoid hemorrhage (277 cases) – significant linear increase was observed. Besides, periodic fluctuation with cycles, similar to those in sun and geomagnetic activity, is described.

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