

CONTENTS

Letter to the Editor

Kovacova, E., Kinova, S., Duris, I., Remkova, A.:
General Changes in Haemostasis in Gastric Cancer

Kovacova, E., Kinova, S., Duris, I., Remkova, A.:
Local Changes in Haemostasis in Patients with Gastric Cancer

Kascak M 748

Topical Reviews

Vitamin D deficiency, atherosclerosis and cancer

Ginter E, Simko V 751

Recently there has been intense interest to find if D deficiency may be related to cardiovascular disease, cancer and infection. Inadequate saturation with D may adversely affect immune and metabolic functions, causing non-skeletal medical disorders. Sunlight exposure induces D synthesis in the skin from a precursor, 7-dehydrocholesterol. Since the body produces D, this "vitamin" does not fulfill classical definition for a vitamin, being rather a prohormone.

Eisenmenger syndrome – a unique form of pulmonary arterial hypertension

Simkova I 757

Eisenmenger syndrome is an extreme manifestation of pulmonary arterial hypertension (PAH) associated with congenital heart disease. This clinical entity represents a unique form of PAH but also a multi-systemic disorder. The preserved right ventricular function seems to be the key factor for a better survival compared to other forms of PAH. To achieve a satisfactory prognosis and life-quality it is necessary not only to treat the hemodynamic features but also to adequately manage all non-cardiac complications. This often needs a care in specialized centers with multi-disciplinary approach.

Testosterone supplementation therapy as a treatment of hypogonadism

Schmidtova E, Kelemenova S, Ostatnikova D 765

Total testosterone serum concentration levels decline gradually and progressively with aging in men, as a result of both endocrine and exocrine testicular dysfunction. In middle-aged men, in contrast to middle-aged women, there is not a sudden stop of gonadal functions. It is more continual and incomplete process with a high degree of interindividual variability. Fertility in men persists until very old age and therefore the andropause, as an equivalent of the menopause, does not exist.

Diabetes – adult stem cells as a future alternative therapy?

Ulicna M, Danisovic L, Danihel L, Vojtassak J 773

The authors are demonstrating the severity and complexity of diabetes. This article makes an overview of the present and possible future application of adult stem cells in the treatment of diabetes.

Clinical Studies

HIV prevalence and clinical care for HIV-positive pregnant women in Slovakia

Peskova Z, Chabada J, Hinst J, Jarcuska P, Mokras M, Gabriskova S, Vachalikova M, Stanekova D, Greksova K ... 777

Despite the fact that no infant born in Slovakia of an HIV-infected woman was confirmed HIV positive, there is a need to create national guidelines for the prevention of mother-to-child transmission in order to maintain the favourable success rate in managing the risk of vertical transmission and to consolidate the care management in all 3 HIV/AIDS care centers around Slovakia.

The effect of inhaling peppermint odor and ethanol in women athletes

Pournemati Parisa, Azarbayjani MA, Rezaee MB, Ziaee V, Pournemati Paria 782

The purpose of this study was to determine whether inhaling peppermint odor has effects on time of running, maximum heart rate (MHR), maximum oxygen consumption (VO₂max), oxygen consumption (VO₂), minute ventilation (VE) and respiratory exchange ratio (RER) during acute intensive exercise or not.

Clinical and hemodynamic picture of Eisenmenger syndrome

Simkova I, Tavacova M, Kanalikova K, Pacak J, Kaldararova M 788

Eisenmenger syndrome represents a specific and complicated group of pulmonary arterial hypertension patients with the ultimate necessity to understand their anatomy and physiology. Despite severe pulmonary hypertension, they often show a relatively good clinical status for a long time. On the other hand, Eisenmenger syndrome has to be considered a multi-systemic disease. It is necessary to keep in mind that non-cardiac events and complications may lead to death sooner than right ventricular dysfunction or pulmonary hypertension.

Case Report

Corneal arcus: An indicator of severe coronary artery disease in a young adult man

Murat Sucu, Vedat Davutoglu 795

A 32-year-old man was transferred to our emergency service with the diagnosis of sudden cardiopulmonary arrest. During eye examination, a typical corneal arcus was observed. The patient underwent the primary percutaneous coronary intervention.

Morphological Study

"Bochdalek" skull (syngnathia): CT examination

Klepacek I, Nanka O 796

In this study, girl skull with jaw anomaly depicted by prof. Bochdalek in XIX. century was re-examined using CT method to explain possible mechanism of this anomaly development. Our report presents a case of syngnathia with bilateral vision where mandible, maxilla, zygomatic and palatal bones are mutually connected. CT findings strongly support the idea about of mechanical trauma triggering a chain of bone disturbances in facial skeleton. With high probability most of the teeth were extracted later to keep the oral cavity open.

Surveillance

The responsibility of alcohol-impaired road users in fatal road traffic accidents

Kuruc R, Sidlo J, Valent D, Mlynar J, Murarikova B 802

Retrospective study of 373 casualties of road traffic accidents autopsied within the institute in the years 2003–2007 was performed. Alcohol intoxication was determined in 35.9 % of persons involved in road traffic accidents. The degree of responsibility for fatal road traffic accidents was 1.5 times higher among intoxicated road users.

Scientific Information

Functional results in patients with sarcoma around the knee joint

Kokavec M, Svec A, Zilinek V, Huraj E, Gajdos M 807

Authors evaluated functional outcomes after three different surgical procedures for sarcoma around the knee joint. Sixteen patients with sarcoma were given four to six preoperative courses of chemotherapy. Patients were separated into three groups according to the pattern of tumour excision.

Index of the authors 810

Key words index 815