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*Clinical Studies***Thoracic outlet syndrome – 24 years experience**

Podlaha J 429

TOS is not a frequent syndrome, affecting especially young patients, predominantly women. Its symptomatology is caused by compression of nervous and vascular plexus in a physiological isthmus in the upper thoracic aperture. Initially treatment is conservative, including rehabilitation unless an acute vascular event occurs, which is an indication for surgery.

Detection of Philadelphia chromosome in patients with chronic myeloid leukemia from the Presov region in Slovakia (1995–2004)

Boronova I, Bernasovsky I, Bernasovska J, Sotak M, Petrejckova E, Bozikova A, Seliga P 433

Philadelphia chromosome (Ph) is a characteristic chromosomal marker that is associated with chronic myelogenous leukemia (CML). Philadelphia chromosome in bone marrow cells in patients with suspected diagnosis of CML in the Prešov region (1995–2004) was detected in 94.4 % of cases. The conventional cytogenetic analysis remains the standard method for the purpose of diagnosis and monitoring of the therapeutic response and minimal residual disease in patients with chronic myeloid leukemia.

Echocardiographic measurements of the aorta in normal children and young adults

Kaldararova M, Balazova E, Tittel P, Stankovicova I, Brucknerova I, Masura J 437

The authors studied to measure the dimensions of the aorta in normal healthy children and young adults in Slovakia. All 3 measured aortic parameters correlated closely. Measures of correlation (R-squared) for aortic parameters with the square root of BSA were high: 0.89 for aortic valve annulus, 0.86 for sinuses of Valsalva and 0.86 for sinotubular junction.

Virtual colonoscopy: a new promising technique

Vavra P, Vavrova M, Dostalík J, Martinek L, Ahmed El-Gendi, Papaevangelou A 442

Virtual colonoscopy is a promising method in detecting individuals with significant colorectal lesions. Our indications for CT virtual colonoscopy were following: firstly, when colonic examination by other methods failed, and secondly, to exclude tumour duplicity in cases with already verified colon tumour.

Cardiac resynchronization therapy

Novak M, Lipoldova J, Kamaryt P, Dvorak J Jr, Ozabalova E, Vank P, Hude P, Krejci J 445

In the retrospective study of patients with biventricular pacing a decline in heart failure, an increase in cardiac pump efficiency, reverse remodeling of left ventricle and acceptable occurrence of complications were confirmed.

*Case Reports***Sildenafil as a pulmonary vasodilator after repair of congenital heart disease**

Kovacikova L, Zahorec M, Nosal M 453

In children following surgery for congenital heart disease, therapy with sildenafil reduced pulmonary arterial pressure, prevented episodes of arterial desaturations and allowed weaning from nitric oxide.

Tinnitus caused by verteobasilar dolichoectasia

Titlic M, Tonkic A, Jukic I, Buca A, Kolic K, Batinic T 455

The authors report a rare case of a symptomatic tinnitus caused by a verteobasilar dolichoectasia. A 73-year old man presented with the tinnitus in the left ear for 11 months. This study supports a vascular compression of cranial vestibulocochlear

nerve and the brainstem as a cause of tinnitus, and demonstrates a MSCT angiography value as an excellent, non-invasive technique to demonstrate the compression.

Primary skin B-cell lymphoma manifested as a sole large nodular lesion

Svecova D, Bartalossova R, Babal P 458

Primary cutaneous B-cell lymphomas represent heterogeneous lymphoproliferative conditions. A caucasian female with a 4-year history of an asymptomatic nodular lesion is presented. Histopathological examination disclosed perivascular infiltrates of medium-sized lymphocytes with light cytoplasm. Immunohistochemically, the tumor cells were CD20 positive, with a low admixture of CD45RO, CD3 and CD43-positive cells. The tumor cells exhibited expression of immunoglobulins with kappa light chains restriction. The numerous lesions previously thought to be pseudolymphomas are genuine B lymphomas.

Adrenoleukodystrophy – a new mutation identified

Vachalova I, Chandoga J, Petrovic R, Copikova-Cudrakova D, Sykora M, Traubner P 462

A new „unique“ mutation in the initiation codon in the first exon of *ABCD1* gene was identified. We present a phenotype description of a patient with this mutation. Possibility of X-ALD should be considered in the etiology of the spastic paraparesis.

Spina bifida with higher position of sacral hiatus

Srijit D, Shipra P 467

The authors discuss in detail the anatomic radiological aspects of spina bifida, with a higher sacral hiatus. Precise knowledge of normal and abnormal anatomy on the sacrum may be clinically important for anesthetists, neurologists, radiologists and orthopedic surgeons, in their clinical practice.

Bilateral pseudocyst of the auricle

Mohammed E, Jakubikova J, Plank L, Hapco M, Donovalova G 470

This article summarizes a 2 years retrospective study (2005–2007) done in Children Teaching Hospital in Bratislava – two children who had bilateral pseudocyst of the auricle, and who had treated with different type of surgical treatment and reviews the literature.

Atypical cyst of the right ductus hepaticus

Prekop I, Sevcik L, Jakubicka J, Bakos E, Bakos M, Durcansky D 474

The authors show casuistic overview related with 14 months old patient with the finding of a cyst on the right ductus hepaticus with extraordinary dimensions.

*Socioeconomic Study***Social determinants of health in Slovakia**

Ginter E, Hulanska K 477

The analysis of sociological and mortality data from 76 counties of SR has shown that in socially weaker counties (low educational level, poverty, unemployment, social exclusion and poor housing) the life expectancy was shorter, male and female premature cardiovascular mortality was higher, and the male (not female) cancer mortality was higher.

*Anthropometric Study***Occurrence of neoclassical facial canons in Caucasian primary school pupils and university students**

Cvickelova M, Benus R, Lysakova L, Molnarova A, Borovska Z 480

The study concentrates on nine neoclassical facial references, canons. Some of neoclassical canons have not appeared in our measured group at all. Other canons although present, were present less frequently than their variations. Comparisons with literature are discussed.