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*Current Perspectives***Does vagus nerve constitute a self-organization complexity or a „hidden network“?**

- Mravec B, Hulin I 3
 Findings accumulated in last years suggest that vagus nerve participates on regulation of much wider spectrum of functions than described previously. Involvement of vagus nerve in modulation of inflammatory processes, monitoring and modulation of tumorigenesis are discussed. A constitution of highly differentiated complex system which modulates various functions of organism by vagus nerve is depicted.

*Experimental Studies***Direct *in vitro* effects of meconium on airway reactivity in adult rabbits**

- Mokry J, Mokra D, Nosalova G 9
In vitro incubation of tracheal and lung tissue strips with meconium significantly decreased the tracheal reactivity to histamine and slightly, but non-significantly decreased the lung tissue reactivity to histamine in rabbits.

Fine-needle aspiration biopsy in the diagnostic of the tumors and non-neoplastic lesions of salivary glands

- Lukas J, Duskova J 12
 Fine-needle aspiration biopsy (FNAB) has not been part of the basic algorithm of preoperative evaluation of tumors of the major salivary glands in the Czech Republic. Most opponents of salivary gland FNAB consider it unnecessary. This paper documents the utility of the puncture aspiration biopsy in the diagnosis of these lesions.

*Therapy***Endoscopic treatment of midline cerebral cysts**

- Novak Z 16
 Axial cerebral cysts of various location and origin are relatively rare lesions. Endoscopic neurosurgery has made them amenable for safe intervention even in vital brain regions. The aim of the surgery was to fenestrate the cyst or to perform cyst extirpation to relieve the pressure effect on the surrounding functioning neural tissue and to reestablish the patency of cerebrospinal fluid pathways, as well as histological verification of the cyst origin.

*Clinical Studies***Rupture of abdominal aortic aneurysm – factors of mortality**

- Treska V, Novak M 22
 The early detection and surgical or endovascular elective treatment of AAA, regular dispensarization of patients with small AAA, especially hypertonics, correct diagnosis of RAAA without time delay, are the best tools for patients survival. The patient's survival increases with trained pre-hospital resuscitation system and experienced team of vascular surgeons and anesthesiologists in centres.

Dilemmas regarding the proper route of adrenaline administration in anaphylaxis

- Pijak MR, Gazdik F 26
 The authors outline current practice regarding the pre-hospital use of adrenaline. They conclude that the intramuscular adrenaline recommended in current European guidelines may not be the only correct route of administration. Both intradermal and intravenous routes may be more appropriate in certain situations.

*Case Report***Portal vein thrombosis**

- Schramm A, Pechan J, Kandrik R 31
 The authors described a case of the patient of the idiopathic group of PVT. Due to only a few symptoms, the diagnosis was established late. This was confirmed by the fact, that the patient was not hospitalized.

*Clinical Study***Management and two-year prognosis of patients with acute myocardial infarction in a community hospital toward the end of thrombolytic era**

- Kaluzay J, Remisova S, Pontuch P 34
 We analyzed management, early and long-term prognosis of patients with ST-segment elevation myocardial infarction. From 112 patients included into the study potentially serious myocardial infarction complications occurred in 50.9 % patients. Thrombolysis was given to 64.3 %. In-hospital mortality was 11.6 %, two-year mortality was 6.1 %.

*Short Communication***The effect of hyperbaric oxygen therapy in treatment of leg ulcers**

- Batora I, Batorova A, Zimanova J, Ulicna O, Gavornik P, Gaspar L 40
 The “diabetic foot” – diabetic ulcer (DU) is characterized by sensory, motor and autonomic neuropathy as well as both macro- and microvascular disorders, which ultimately can result in ulceration, gangrene and amputation.

*Letter to Editor***Early assessment of metabolic situation in young patients with hypertension may prevent subsequent adverse cardiovascular events**

- Penesova A, Cizmarova E, Koska J 41