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*Perspectives***Urge to cough and its application to the behavioural treatment of cough**

- Vertigan AE, Gibson PG ..... 102  
 The Urge-To-Cough has recently been recognised as a significant factor in understanding the pathophysiology of cough. The principles in the urge to cough model are relevant to the behavioural management of laryngeal conditions including chronic non-specific cough, cough due to paradoxical vocal fold movement, aspiration and reflux. This paper analyses the pathophysiology and behavioural management of these conditions according to the urge to cough model.

*Clinical Studies***Urge to cough with voluntary suppression following mechanical pharyngeal stimulation**

- Hegland KW, Pitts T, Bolser DC, Davenport PW ..... 109  
 We delivered mechanical stimuli in the form of air-puffs to the posterolateral oropharynx and found both sensation of urge-to-cough and cough motor response in healthy young volunteers. Thus, the pharynx may play an important role generating the sensory and motor cough response. Therapeutic considerations and relationship to swallowing are discussed.

**Motor features of voluntary cough following partial laryngectomy for glottal carcinoma**

- Chellini E, Magni C, Lavorini F, Rucci L, Fontana GA .. 115  
 Patients who underwent supracricoid laryngectomy with crico-hyoidopexy for glottal carcinoma have a reduced intensity of voluntary cough. This may account for the occurrence and/or persistence of postoperative airway infections commonly observed in these patients.

**Distinction of cough from other sounds produced by daily activities in the upper airways**

- Martinek J, Zatko T, Tatar M, Javorka M ..... 120  
 The aim of our study was to validate the successfulness of our developed algorithm for distinction between cough and other sounds produced by human daily activities in the upper airways. According to a high degree of sensitivity and specificity we conclude that algorithm is successful for distinction between cough and non-cough sounds.

**Heart rate variability in hypertension caused by sleep disordered breathing and its modification by CPAP**

- Gresova S, Tomori Z, Widdicombe J, Donic V, Kundrik M, Bacova I, Pallayova M ..... 125  
 Heart rate variability (HRV) analysis in 48 adults increased nocturnal values of the LF band and LF/HF ratio, caused by hypoxemia in patients with sleep disordered breathing (SDB), and their decrease after CPAP application. The changes correlating to the apnoea/hypopnoea index proved the usefulness of HRV analysis for the prediction of cardiovascular risk in patients with SDB.

*Experimental Studies***The influence of the PDE inhibitors on cough reflex in Guinea pigs**

- Mokry J, Nosalova G ..... 131  
 The inhibition of phosphodiesterases leads to many pharmacological effects like bronchodilation, anti-inflammatory and immunomodulating action, etc. We found that the administration of non-selective PDE inhibitors (theophylline and theobromine)

as well as selective PDE1 (vinpocetin), PDE3 (cilostazol), PDE4 (citalopram) and PDE5 inhibitors (zaprinast) suppressed the cough both in healthy and ovalbumin-sensitized, indicating the participation of bronchodilating and anti-inflammatory action in cough suppression.

**Cough threshold and reactivity to mechanical stimulation of the trachea in the rabbit Preliminary observations**

- Varechova S, Demoulin B, Poussel M, Chenuel B, Marchal F ..... 136  
 A novel method of cough assessment in rabbit was tested with mechanical stimulation of trachea using various stimulation times with an assessment of cough threshold and reactivity. It has the potential to be used in pathophysiological animal models such as induced airway inflammation or pharmacological studies of down regulation of cough.

*Surveillance***Comments to regional problems of analgesic risk perception**

- Hudec R, Wilton LV, Kriska M ..... 140  
 The aim of our study was to analyse analgesic risk perception and then to compare analgesic drug choice among general practitioners. The actual perception of analgesic risk in Slovakia seems to be generally inadequate. We found only a low support of spontaneous adverse drug reactions reporting to the national monitoring system.

*Reviews***A consonant construction of the hyaloid and retinal vascular systems by the angiogenic process**

- Gergely K, Gerinec A ..... 143  
 In this review we report the homology between the hyaloid and retinal circulations at various levels and we demonstrate that the human retina is vascularised by the angiogenic process as an advanced copy of the hyaloid vessels.

**Obesity in focus**

- Pavlik V, Fajfrova J ..... 152  
 The article describes the 11th International Congress on Obesity which took place in Stockholm in July 2010. The delegates discussed recommended diagnostics and treatments in obesity. A large number of presentations were focused on nutrition and dietary management. The Congress showed that it is necessary to keep paying obesity due attention.

*Case Report***Rehabilitation results of patients with acute transverse myelitis**

- Calis M, Kirnap M, Calis H, Mistik S, Demir H ..... 154  
 In this study, the authors aimed to evaluate the efficacy of rehabilitation in patients with acute transverse myelitis (ATM). The authors concluded that in patients with ATM, rehabilitation of patients contributes to clinical and functional improvement of the disease.