#### **CONTENTS**

Experimental	Study
--------------	-------

#### Histological effects of zinc and melatonin on rat testes

Tuncer I, Sunar F, Toy H, Baltaci AK, Mogulkoc R ...... 425
The objective of this study is to examine the histological effects
of zinc and melatonin, alone or in combination, on rat testes.
The obtained results suggest that 4-week treatment with melatonin leads to histological and physiological impairments of testis
and that zinc supplementation might offset these damaging
effects

#### Reviews

#### Targeting angiogenesis for cancer (gene) therapy

Angiogenesis research has emerged as one of the most comprehensive research areas in biomedicine, and development of novel drugs by targeting angiogenesis has become one of the main focuses among pharmaceutical companies. Suppression of development of new blood vessels in solid tumors provides a clear therapeutic benefit both in experimental animals and human

Gardlik R, Celec P, Bernadic M ...... 428

#### Clinical importance of matrix metalloproteinases

#### Pharmacogenetics of oral antidiabetic treatment

#### Clinical Studies

# Short term oxidative DNA damage by hyperbaric oxygenation in patients with chronic leg ulcers Zimanova J, Batora I, Dusinska M, Burghardtova K,

#### Is carotid endarterectomy under the cervical plexus block safe for all patients with various degree of cardiovascular risk?

cervical plexus block (CPB) in patients at high cardiovascular (CV) risk. The aim of the study was to compare CV stability and the frequency of cardiovascular and neurological complications in 3 groups of patients with various degree of CV risk who underwent CEA under CPB. CPB can be performed in all three groups of patients, even in high-risk cardiac patients. The results will have to be confirmed in a larger group of patients in future

## Caesarean section in isobaric spinal anesthesia with and without direct preoperative hydration with crystalloids

#### Case Reports

# Portomesenteric vein gas and pneumatosis intestinalis – a rare complication after neoadjuvant radiochemotherapy in oesophageal cancer

Portomesenteric vein gas and pneumatosis intestinalis is most commonly caused by mesenteric ischemia and bowel necrosis but may have a variety of other causes. The etiology is multifactorial and the clinical presentation is variable. The diagnosis is based on a combination of clinical suspicion and radiographic findings. The finding of hepatic portal venous gas alone is not an indication for emergent exploration. We report portomesenteric venous gas as a rare complication after neoadjuvant radiochemotherapy of the oesophageal cancer.

#### Orbital melanoma

Furdova A, Chynoransky M, Krajcova P...... 466 Primary or secondary orbital melanomas are extremely rare tumors; they represent less than 1 % of primary orbital neoplasms. Over 90 % of primary orbital melanomas arise from melanocytes (congenital ocular melanosis, oculodermal melanosis). In the Department of Ophthalmology, Comenius University, Bratislava, in period 2001-2007, a total number of 79 patients with uveal melanoma (dg. C69) were treated with radical surgery, combined techniques or isolated stereotactic radiosurgery, 45 (57%) patients with ciliary body and choroidal melanomas were treated with primary enucleation, 34 (43 %) patients were managed with combined techniques (parsplana vitrectomy with endoresection, brachytherapy plus stereotactic radiosurgery) or with "conservative treatment", namely with stereotactic radiosurgery alone. In group of melanoma patients, primary orbital melanoma was present only in 1 case (1 %).

#### 

Tetanus cases may present to ED with different symptoms. Therefore, physicians should be aware of the early signs of tetanus.

Careful and meticulous wound management of cases presented to ED following an injury should be considered a significant factor, which can help in reducing the tetanus cases.

#### Consequences of abdominal adenocarcinoma in postmenopausal woman in relation to surgical and nonsurgical management

Morphological Study

### The topographical features and variations of nervus ischiadicus in human fetuses

We aimed to investigate the topographical features and variations of ischiadic nerve during prenatal period in human. Understanding the structure and course of ischiadic nerve in both gluteal and femoral regions is important during all interventions to these regions due to the potential damage on the nerve itself. The knowledge of topographical features of ischiadic nerve in the prenatal period and its relations with reference points that are used especially in childhood and adults will help to follow up the variations during postnatal and grow up periods.