



# WEST INDIAN MEDICAL JOURNAL

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WIMJAD

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- 273 **Thyroid Papillary Carcinoma in Paediatric and Adolescent Patients: Evaluation of Surgical Treatment in a Single Centre**  
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*In this paper, we present the clinical characteristics of thyroid papillary carcinoma determined in children and adolescents in our clinic, the surgical techniques applied, and the clinical results evaluated in light of the relevant literature.*

- 277 **Battery-induced Esophageal Foreign Body Injury, Complications and Treatment Outcome**  
M Oruc, M Taylan, S Onat, A Sahin, F Meteroglu, R Ulku  
*Oral, foreign-body ingestions have increased and have been associated with the risk of esophageal injury. Button batteries are widely used and important among ingested objects as they cause chemical injury in the digestive tract within hours.*
- 283 **Is Laparoscopy for Non-palpable Testes a Well-known Entity?**  
O Bosnali, S Moralioglu, AC Celayir  
*We report our laparoscopy results in non-palpable testes cases and emphasize the utility of laparoscopy in unilateral, non-palpable testes cases in contrast to a previously published paper. We also discussed different aspects of the laparoscopic approach for non-palpable testis.*
- 287 **Maternal and Fetal Outcomes in Caesarean Sections Repeated Fourth and Fifth Times**  
E Karaman, N Çim, O Çetin, H Oruç, G Güneş, R Yıldızhan  
*Women with caesarean sections (CS) repeated four or five times have increased risks for perioperative complications. Placenta previa, with or without*

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*accreta, and intra-abdominal adhesions seem to be the major causes of increased morbidity.*

**292 Evaluation of Anatomical Characteristics of Mandibular Incisive Canal in a Turkish Subpopulation Using Cone Beam Computed Tomography**

A Akbulut, K Orhan

*This study evaluated the anatomical characteristics of the mandibular incisive canal and to describe the occurrence of anatomical variations according to side, age and gender using cone beam computed tomography. The mandibular incisive canal was found in 87% of the scans.*

**304 E148Q as a Familial Mediterranean Fever-causing Mutation: A Clinical-based Study**

RA Jarjour

*Familial Mediterranean fever (FMF) is a genetic disease. M694V, V726A, M680I, M694I and E148Q are the most frequent mutations. The role of E148Q is still controversial. Our aim was to evaluate the E148Q mutation and compare it with other FMF-causing mutations.*

**309 Anti-proliferative or Cytopathic Potential of *Thapsia garganica*, *Citrus sinensis*, *Citrus limon* and *Vinca rosea* Extracts Against Human Embryonic Kidney Carcinoma Cell Line**

N Mahmood, F Manzoor, A Khaled, MT Javed, Z Qureshi

*There is a need to have alternative medicines for the treatment of cancers with no deleterious effects on body tissues. The study was carried out to find out anti-cancer potential of some plant extracts in vitro studies in the first instance.*

**315 Histopathological Changes that Occur on the Testicular and Penile Tissues Depending on the Treatment of Human Chorionic Gonadotropin: Rat Model**

N Pirinççi, S Yıldırım, A Taş, T Ozan, İ Geçit, H Özveren

*Human chorionic gonadotropin (hCG) treatment may lead to deterioration in testicular histology and histological changes in the penile tissue. The degradation in the testicular tissue and the changes formed in the penile tissue may affect the erectile tissue function.*

**319 Short-term Administration of Gonadotropin-releasing Hormone Agonist (Buserelin) Induces Apoptosis in Rat Ovarian Developmental Follicles**

H Mohammadbeigi, T Peirouvi, Y Rasmi

*The short-term administration of high dose buserelin decreases the number of follicles in mature rat ovaries and has an inhibitory effect on follicular development. Also, the buserelin increases apoptosis in the granulosa cells and serum estradiol (E2) level, but the serum progesterone levels decrease.*

**326 The Effects of Lung Ischaemia/Reperfusion on TRPM Gene Expression**

HD Atabay, T Demir, R Dokuyucu, O Yumrutas, S Oztuzcu, AO Ceribasi, R Bayraktar, B Cengiz, S Demiryurek, C Bagci

*The study investigated the contribution of these genes in lung ischemia/reperfusion injury and evaluate histopathology of tissues. The major histopathological tissue damage was observed in ischemia performed groups and expression of transient receptor potential melastatin (TRPM) channels was found to be obviously down-regulated. The results indicate that TRPM family of cation channels may have significant roles in the lung ischemia/reperfusion injury.*

**332 Histopathological and Immunohistochemical Study of the Effect of Sildenafil Citrate, Vitamin A, Vitamin C and Vitamin E on Wound Healing in Alloxan-induced Diabetic Rats**

A Taş, A Karasu, Z Yener, S Yıldırım, N Atasoy, E Düz, E Yavuz

*The aim of this study was to examine the impact of sildenafil citrate, vitamin A, vitamin C and vitamin E on wound healing in diabetics. It was decided that when it is necessary to recommend an ideal combination for the wound of a diabetic, it would be beneficial to use sildenafil citrate together with vitamin A and vitamin C.*

**338 Protective Effects of Curcumin Against Formaldehyde-induced Renal Toxicity in Rats**

U Sener, R Uygur, O Kurt, V Caglar, I Gelincik, A Gurel, H Erdogan

*We explored the protective effects of curcumin against renal injury induced by formaldehyde in*

rats and found that it improved the formaldehyde-induced renal degeneration.

**345 Protective Effect of Montelukast Sodium in Acute Ethyl Alcohol-induced Hepatic Injury in Rats**

Y Zengin, M İcer, E Gunduz, R Dursun, G Turku, H Yuksel, A Ozhasenekler, M Orak, C Guloglu  
*The aim of this study was to investigate the effect of montelukast sodium on acute hepatopathy induced by ethyl alcohol in rats. The liver tissue and biochemical parameters were assessed. Montelukast sodium administration had beneficial effects in alleviating ethyl-alcohol-induced hepatotoxicity.*

**350 Protective Effects of Caffeic Acid Phenethyl Ester on Isoniazid and Rifampicin-induced Hepatic and Pancreatic Injury**

G Turku, Y Avcı, O Evliyaoglu, O Gokalp, M Gumus, AC Tanrikulu, A Abakay, H Buyukbayram, U Firat  
*This study investigated the protective effects of caffeic acid phenethyl ester (CAPE) against rifampicin-isoniazid-induced hepatic and pancreatic toxicity in terms of histopathological deterioration, oxidative stress (paraoxonase-1, total antioxidant status, total oxidant status) and biochemical parameters changes. The side effects of isoniazid and rifampicin treatment on hepatic and pancreatic tissues may be prevented with CAPE.*

**356 Protective Effect of Wolfberry Extract on Acetic Acid-induced Colitis in Rats**

M İcer, E Gunduz, Y Zengin, R Dursun, Hasan Mansur Durgun, U Alabalık, I Kaplan, C Guloglu

*Wolf berry extract has certain anti-ageing, neuroprotective, anti-fatigue/endurance-increasing, and anti-oxidant biological effects with anti-tumour activity and cytoprotection. The protective effect of Wolf berry against acetic-acid-induced colitis in rats and Wolf berry extract effectiveness were investigated in this study.*

**362 Propolis and Caffeic Acid Phenethyl Ester Attenuates Nitrosative Stress in Lens Tissue in Radiation-induced Cataracts in Rats**

S Taysi, S Okumus, E Saricicek, M Akyuz, V Saricicek, A Tascan, S Kenan, M Tarakcioglu  
*The aim of this study was to investigate whether propolis and caffeic acid phenethyl ester (CAPE) prevent radiation-induced cataractogenesis. The results obtained in the study suggest that propolis and CAPE have free radical, scavenging activities in the irradiation-induced cataractogenesis.*

**CASE REPORTS**

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P Johnson, M Hebb, S Lownie, M Sharma

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