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WIMJAD

EDITORIAL

- 1 **From Crisis to Collaboration: Addressing the Neurologist Shortage in the Caribbean and Beyond**
A Ali and P Carlen

ORIGINAL ARTICLES

- 4 **Determining the Sensitivity and Specificity of Electroneuromyographic Tests in Patients with the Prediagnosis of Ulnar Neuropathy at the Elbow**
PD Analan, B Leblebici
The aim of this article was to evaluate the sensitivity and specificity of electroneuromyography in patients with a pre-diagnosis of ulnar neuropathy at the elbow (UNE). This evaluation has high sensitivity and specificity.
- 11 **No Role of rs1137101 Variant of the Leptin Receptor Gene in Manifestation of Obesity**
A Shahid, S Rana, S Mahmood
The current study involves the genotyping of rs1137101 variant of the leptin receptor gene in obese and non-obese subjects, and the measurement of anthropometric and biochemical parameters to find any association of this genetic variant with

obesity and related anthropometric and metabolic traits.

- 19 **The Effect of Obesity and Body Mass Index on Post-transplant Renal Graft Function**
MS Adelina, NN Ana María, I García García, RF Castillo
Obesity and overweight have adverse effects on renal grafts after renal transplantation, this paper investigates the influence of BMI and obesity on post-transplant renal graft function in 500 patients.
- 24 **CA 19-9 Could Predict Both Advanced Disease and Nodal Involvement in Primary Mucinous Endometrial Cancers**
I Selcuk, S Bas, M Oz, E Ozgu, M Turker, H Yalcin, T Gungor
Since mucinous endometrial carcinoma is a rare disease, the parameters related to the extent of the disease should be clarified. CA-19.9 is an important marker for mucinous pathologies, and it should also be evaluated for mucinous endometrial cancers.
- 28 **Serum Red Blood Cell Distribution Width Level of Chronic Obstructive Pulmonary**

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Disease Patients and the Characteristics of the Exacerbation

S Argun Baris, T Onyilmaz, EK Ucar, I Basyigit, H Boyaci, F Yildiz

Red blood cell distribution width (RDW) is a measure of hemogram. Nearly one third of COPD patients have increased RDW levels and exitus rates are higher in this group. It is suggested that elevated RDW might be related with increased mortality in COPD patients.

33 Thyroid Dysfunction Related to Interferon in Turkish Patients with Viral Hepatitis: Incidence and Influencing Factors

R Harman, E Sahin

Although thyroid gland dysfunction (TD), secondary to interferon treatment in patients with chronic viral hepatitis B and C (CHB-C), may develop in a substantial proportion, most of these are temporary and do not require TD treatment. Independent risk factors in TD development were found to be gender and age.

39 Evaluation of the Antioxidant Properties, Fatty Acid Profile, Ash, Zinc, Crude Fibre and Pectin Content of Jamaican Sorrel (*Hibiscus sabdariffa*) and Citrus (*Citrus sinensis*) By-products from a Local Beverage Manufacturer

V Ranger, A Goldson-Barnaby, R Williams, C Bowen-Forbes, V Rattray, N James, I Thompson
The beverage industry produces a considerable quantity of by-products which is rich in soluble sugars, cellulose, hemicellulose, pectin and essential oils. These are generally discarded but may be of commercial value. This research was undertaken to evaluate the potential application of by-products obtained from a local sorrel and citrus juice processing plant facility.

46 The Urinary Levels of Some Essential and Toxic Metals in Type 2 Diabetic Patients and Non-diabetic Healthy Control Human Subjects

AR Khan, FR Awan, K Akhtar, M Islam, S Najam, M Zain, T Siddique

Metals are central to hold the bioactivity of numerous enzymes and proteins on which life is based. Several previously published studies demonstrated the functions of transition and trace elements Fe, Zn, Mg, Cu, Mn and Cr in insulin action and carbohydrate metabolism. This study aimed

to assess the interrelationship of some selected metals such as Mg, Zn, Cu, Cr, Mn, Pb, Ni and Fe in urines of T2D patients versus non-diabetic subjects. The findings of this study could provide a way to explore urinary metal-based marker(s) for disease pathogenesis and progression.

54 Personal and Behavioural Characteristics of Seat Belt Non-users in Slovenia

M Bilban

The results of our study showed that the important risk factors for seat belt non-users in the adult population in Slovenia are the social/demographic characteristics of gender, age and education level.

62 Knowledge, Attitude and Beliefs of Undergraduate Medical and Dental Students towards Dental Treatment during Pregnancy

RL Balkaran, AK Bissoon-Moonasar, TJ Hector, DK Ramsahai, ME Thorpe, NV Ramlogan, TM Ford, LK Deyalsingh

This study provides data on the knowledge, attitudes and beliefs of pre-clinical, undergraduate dental and medical students on pregnancy and oral health. The data emphasises the need to educate all preclinical students on dental health and pregnancy correlations.

67 Racial Differences in Seasonal Variation in Election and Non-election Years in the Male-to-Female Ratio at Birth in the United States

V Grech, T Borg

United States births by gender and race (2003–13, n=45138496) were analysed. The male to female birth ratio varies seasonally. Seasonality may have been disturbed/reduced in most years due to chronic, socioeconomic stress.

72 Ameliorative Effect of Zinc Oxide and Silver Nanoparticles on Antioxidant System in the Brain of Diabetic Rats

M Afifi, AM Abdelazim

The effect of zinc oxide and silver nanoparticles on the brain of diabetic rats was investigated. It was concluded that zinc oxide and silver nanoparticles protect the brain tissue against the bad effects of the free radicals by improving the brain's antioxidant power.

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