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WIMJAD

ORIGINAL ARTICLES

583 Age and Gender Differences of Orthostatic Hypertension in Children

C Wen, R Zou, L Wu, Y Xu, P Lin, F Li, C Wang
We report the results of a retrospective cross-sectional study of 2089 children referred to syncope of unknown origin and pre-syncope symptoms. We noted that orthostatic hypertension existed in 23.84% out of these 2089 children. Orthostatic hypertension frequency was higher in males and those ≥ 12 years of age. In orthostatic hypertensive children, head-up tilt test positive rate was higher in females and those ≥ 12 years of age. Since orthostatic hypertension, as an orthostatic blood pressure regulation disorder, is not as well studied as orthostatic hypotension, we believe that our findings could be of interest to the readers of your journal.

588 Induction of Antibacterial Activity in the Blowfly Larvae by Natural Infection Model

J Zhuang, J Li, H Wang, Y Yao, P Shan, B Jing, P Han
We investigated the antibacterial activities of blowfly larvae induced by natural infection and found that infected larvae had better antibacterial capacities than sterile larvae.

593 Investigation of the Anti-Inflammatory and Analgesic Effects of the Aqueous Extract Obtained from the Bark of Guaiacum Officinale (Lignum Vitae)

K Williams, AS Jacob, SA Levy
The bark of Guaiacum Officinale (Lignum Vitae) is commonly used in folklore practice in Jamaica as a tea preparation to reduce inflammation and pain in knee joints. This study investigated and validated these claims and confirms no toxic effects within 24 hours at the doses used.

598 MRI Measurements of Corpus Callosum in Childhood; Determination of Normative Values

M Saldır, S Vurucu, S Sari, E Sari, V Akgun, E Ozcan, S Ince, O Babacan, C Acikel, G Basbozkurt, S Ozenc, K Kara, M Kocaoglu, M Tasar, E Yesilkaya
Even mild structural disorders of CC may be important in the diagnosis of neurological diseases or syndromes in childhood. Therefore, it's important to determine the reference values of CC dimensions in healthy children. These data can be applied to clinical practice.

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- 605 Assessing Islet Function Using 2-h Postprandial C Peptide in Type 2 Diabetes Mellitus**
Z Tang, H Xi, X Zhu, T Yin, X Zhang, S Cui, B Shi
The present study aimed at exploring the role of two hour postprandial C peptide (2HPC-P) for assessing islet β -cell function in T2DM in order to guide treatment selection for patients with newly diagnosed T2DM.
- 610 Arg399Gln Polymorphism of the XRCC1 Gene is Associated with Coronary Artery Disease in a Turkish Population**
N Özbilüm, S Arslan, M Yanartaş, Z Yılmaz, Ö Berkan
This is the first study investigating the association between XRCCI polymorphisms and coronary artery diseases (CAD) related to demographic parameters in the Turkish population. Genotypes were detected by PCR-RFLP. XRCCI Arg399Gln polymorphism has been found to be statistically significant for CAD.
- 616 Radiological Score in Malnourished and Well-nourished Children with Active Rickets**
O Fidan, H Alp, Z Orbak, C Karakelleoglu
Radiological evidence and healing process of rickets were similar in both the well-nourished and malnourished groups with rickets. We also recommend that radiological follow-up duration may be extended to at least 12 weeks.
- 622 Modifications in Sexual Behavior during Pregnancy and Postpartum. Related Factors**
RE Rivas, JF Navío, MC Martínez, MT Miranda León, RF Castillo, OO Hernández
Sexuality progressively declines during pregnancy and postpartum in relation to factors such as age, marital status and parity, which must be considered for a comprehensive assessment of the woman.
- 628 A Two-year Review of Admissions to the Intensive Care Unit of the Georgetown Public Hospital Corporation, Guyana**
O Henry, AO Amata
This review of 724 admissions to the ICU of Georgetown Public Hospital, Guyana indicated a mean age of 36 years with 56.5% being males. Most admissions (38%) were from the operating theatre and the average length of ICU stay was 5.5 days. Trauma was the most common reason for admission. The ICU mortality was 48%.
- 634 The Effect of an XBOX Kinect Dance Intervention on the Affect of Sedentary University Students**
RC Gibson, S Roopchand-Martin, G Mason
The affective experiences of sedentary university students were compared before and after their participation in a six-week programme of regularly scheduled videogame based dance exercise activities. An increase in positive affect and a decrease in negative affect were observed.
- 641 Weight, Sodium and Potassium Intake Perceptions among University Students in Barbados: Results from a Cardiovascular Health Perception Survey**
K Zhaorong Wang, D Cohall, T Scantlebury-Manning
The aim of this study is to evaluate dietary electrolyte intake and to discern the perceptions of cardiovascular health among a sample of undergraduates at the University of the West Indies, Cave Hill Campus.
- 648 Keloids: Current Therapies in Barbados**
OJ Nelson, J Ward, AL Forde, N Ojeh
This review article explores and discusses the current literature of the various keloid treatment modalities commonly used in Barbados along with keloid management. A well-planned treatment strategy tailored to suit the individual patient's needs by an experienced health care physician is key in achieving the best outcome.
- 656 A Comparison of Attitudes of Physicians and Patients Regarding Communication and Decision-making in End-of-life Issues and Cardiopulmonary Resuscitation at the University Hospital of the West Indies, Jamaica**
P Howell, I Tennant, R Augier, G Gordon-Strachan, H Harding-Goldson
Communication between physicians and patients regarding end-of-life issues and cardiopulmonary resuscitation was assessed using a questionnaire at the University Hospital of the West Indies. This study revealed the need for greater communication

and physicians' lack of confidence in their communication skills.

663 Orthopaedic Manifestations of the Chikungunya Virus in Jamaica

M Christmas, W Palmer, A Mansingh

During the epidemic of the Chikungunya infection, an increasing number of affected patients in Jamaica have been referred to orthopaedic surgeons. A review of 100 patients presenting with subacute musculoskeletal manifestations of Chikungunya infection during this epidemic is presented.

668 Vitamin E and Focal Adhesion Kinase Inhibitor Y15 Enhances the Cytotoxic Effects of Cisplatin + Paclitaxel in Platinum Resistant Ovarian Cancer Cells

M Reboe, A Rathinavelu, A Levy, D Sivanesan

The cytotoxic efficacy of Vitamin E and the focal adhesion kinase inhibitor Y15 was evaluated for their ability to enhance sensitivity to cisplatin and paclitaxel in a platinum resistant ovarian cancer cell line.

674 A Potential Role for the Antidiabetic Drug Metformin in the Treatment of Platinum Resistant Ovarian Cancer

K Morris, M Reboe, A Levy

The ability of metformin to enhance the cytotoxic profile of carboplatin in platinum resistant OVCAR3 ovarian cancer cells was evaluated alone and in the presence of the FAK inhibitor PF-5733228. Metformin significantly increased OVCAR3 sensitivity to both carboplatin and PF-5733228.

679 Acute Lower Gastrointestinal Bleed: Review of Clinical Course and Outcome in Hospitalized Patients

J Fairclough, M Mills, J Mullings, H Stewart, MG Lee

Acute lower GI bleed (ALGIB) in 189 hospitalized patients were reviewed. The mean age was 67 years with 55% female and 80 % of patients had comorbid illnesses. Aspirin and non-steroidal anti-inflammatory (NSAIDs) use was present in 24% and 16%, respectively. The leading causes of ALGIB were diverticular disease 56%, colorectal cancer and haemorrhoidal disease 11% each and colonic polyps 8.5%. Recurrent bleeding occurred in 3.7%; 19% of patients required emergency

surgery and blood transfusion was given in 43%. The average hospitalization stay was seven days. Overall mortality was 2.6%.

684 Correlation Analysis and its Significance of Serum NT-proBNP, pH value and PaCO₂ in Patients with Chronic Obstructive Pulmonary Disease

W Guo, Y Fu

The regular detection of serum NT-proBNP, pH value and PaCO₂ in chronic obstructive pulmonary disease (COPD) patients can detect disease progression early in COPD patients, which is conducive to the active treatment for COPD.

690 Protective Mechanism of A20 Protein Overexpression in Acute Myocardial Infarction Rats

L Li, Z Wu, E Li, L Zhang, L Li

In this study, the acute myocardial infarction (AMI) model was established after injecting A20 plasmid into the rats, the protective effect of the myocardial cells was observed after myocardial injury, and the mechanism of its action was investigated.

697 The Living Kidney Donor Perspective in a Transplant Programme in Trinidad and Tobago – Seeing Donation through the Donor's Eyes

LA Roberts, U West-Wooding

Informed consent is critical to encourage and facilitate living donor renal transplants. Actual donors are the people best suited to identify the positives and the pitfalls of kidneys' donation. Kidney donors from June 2006 to March 2011 were surveyed.

702 The Epidemiology of Paediatric Hand Injuries Treated in Emergency Departments in Foshan City, South China

S Huang, L Xiao, Z Wu, Y Guo, K Li, M He, Z Wang

A multi-centre study was conducted to investigate the epidemiology of paediatric hand injuries in Foshan City, South China. The epidemiology data enhanced our knowledge of paediatric hand injuries and facilitated the prevention and treatment. The paediatric hand injuries were treated in emergency departments in Foshan City, South China.

709 The Skewness of Alpha Beta T-cell Receptors in the Peripheral Blood of the Patients with Type 1 Diabetes

J Zhou, Y Jia, L Wang, C Kong, C Jin, X Wang

This paper focussed on the detection of TCR V α and TCR V β skewness of patients with Type 1 diabetes. In the results, we found that there were skewed genes in the TCR V α and TCR V β . In our opinion, these skewed genes are probably relative to the onset of Type 1 diabetes.

CASE REPORTS

715 Palliative Care: Theory, Research, and Treatment in the English-Speaking Caribbean Region

MESutherland

723 Metered-dose Inhaler Technique and Asthma Control in Patients Attending an Urgent Care Clinic in Barbados

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729 Squamous Cell Carcinoma in a Thyroglossal Duct Cyst: A Caribbean Case Report

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