



# WEST INDIAN MEDICAL JOURNAL

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## 249 EDITORIAL

### **Counselling Mothers of Babies with the Sickle Cell**

**Trait: To Be or Not to Be**

GR Serjeant, BE Serjeant

## ORIGINAL ARTICLES

### 251 **Study of Promoter and Structural Gene Sequence of *whiB7* in MDR and XDR Forms of *Mycobacterium tuberculosis***

M Arjomandzadegan, M Sadrnia, LK Surkova, LP Titov

*The present work is the first study on the sequence of whiB7 gene in susceptible, MDR and XDR clinical isolates. No mutation was found in this gene in strains isolated from tuberculosis patients and it was shown that the promoter and structural gene of whiB7 are highly conservative in XDR and MDR isolates. This finding confirmed the need for further studies on designing a proper inhibitor for conservative WhiB7 protein in clinical forms of M tuberculosis.*

### 257 **DNA Release and Uptake Associated with the Development of Pleomorphic Cells in Mammalian Skin Autotransplants**

WG Chen

*DNA release and uptake in an in vivo mammalian system is described for the first time, and is related to normal growth and differentiation, abnormal growth and cancer. It is proposed that there is a homeostatic*

*exchange system of intercellular factors including genetic material (DNA/RNA) between cells and tissues, important for growth and differentiation. Disturbances of the messages or the homeostatic control of the exchange system can result in abnormal growth and cancer.*

### 263 **Possible Molecular Mechanism of Promotion of Repair of Acute Achilles Tendon Rupture by Low Intensity-pulsed Ultrasound Treatment in a Rat Model**

T Kosaka, T Masaoka, K Yamamoto

*This study investigated the effect of low intensity-pulsed ultrasound (LIPUS) on the repair process of Achilles tendon using a rat model and also examined the regulation of a biological molecule that may contribute to this in vivo and in vitro.*

### 269 **Adherence to Antiretroviral Therapy by Persons Accessing Services from Non-governmental HIV Support Organizations in Three Caribbean Countries**

CF Allen, Y Simon, J Edwards, DT Simeon

*This study takes an ecological approach and uses multivariate analysis to identify factors associated with ART adherence. Findings suggest that improvements in ART adherence may be achieved by counselling, focussed attention to alcohol users and developing drugs with reduced side effects.*

*(Continued on inside front cover)*

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### 276 Sociodemographic and Behavioural Characteristics of Youth Reporting HIV Testing in Three Caribbean Countries

B Andrews

*This article examines HIV testing prevalence among youth as well as the characteristics of youth who report that they were tested. It utilized data from the AIDS Indicator Survey of Guyana and the Demographic and Health Surveys of Haiti and the Dominican Republic.*

### 284 Propofol Sedation in Patients Undergoing Colonoscopy in Jamaica

MG Lee, CD McGaw, L Chin, MAC Frankson, CA Walters

*Propofol sedation in patients undergoing elective colonoscopy was associated with relatively quick recovery and excellent satisfaction by patients and is a suitable and safe alternative for sedation for colonoscopy in Jamaica.*

### 289 Upper Gastrointestinal Bleeding: A Jamaican Perspective

M Kaliyamurthy, MG Lee, M Mills, T Murphy

*In patients admitted with upper GI bleed, the majority were males of middle age. The leading causes were duodenal ulcer (28%), erosive gastritis (20%) and gastric ulcer (13%). The overall mortality was 5.7%, rebleeding occurred in 4.8% of patients and 5% underwent surgery. The average duration of hospital stay was 6.6 days.*

### 293 Satisfaction with Pharmacy Services and its Relationships with the Control of Selected Chronic Diseases

D Smith, S Maharaj, K James

*The delivery of quality pharmacy services is thought to be important by virtue of its influence on patient's satisfaction and hence better patient compliance/adherence. This study explores the relationship between patient's satisfaction with pharmacy services and control of selected chronic diseases.*

### 298 Five-year Follow-up of Patients Treated with Imatinib Mesylate for Chronic Myeloid Leukaemia in Trinidad and Tobago

KS Charles, L Ramon, N Leelah, TAA Oluwabusi, T Seemungal

*A five-year follow-up of the first cohort of patients treated with imatinib mesylate for chronic myeloid leukaemia at the Port-of-Spain*

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General Hospital is presented. Efficacy, safety and tolerability seem comparable to that reported in developed countries.

**303 Therapeutic Results of the Modified Cadenat Procedure for Acromioclavicular Joint Separations Compared with the Modified Dewar Procedure**

K Takase, K Shinmura, R Kono, T Kumakura  
The Modified Cadenat procedure could provide satisfactory therapeutic results and avoid post-operative failure of reduction compared to the modified Dewar procedure. However, the modified Cadenat procedure does not aim to restore the anatomical coracoclavicular ligaments. We believe that anatomic restoration of both coracoclavicular ligaments could best restore the function of the acromioclavicular joint.

**308 Effects of Contraceptives on Serum Trace Elements, Calcium and Phosphorus Levels**

O Akinloye, TO Adebayo, OO Oguntibeju, DP Oparinde, EO Ogunyemi  
In this study, findings confirmed disturbance in the distribution of trace elements in participants on contraceptives. It showed a significant decrease in the serum concentration of zinc, selenium, phosphorus and magnesium while a significant increase in serum level was observed for copper, iron, cadmium and selenium.

**316 Body Mass Index and Prostate Specific Antigen Levels in Jamaican Men**

MK Tulloch-Reid, WD Aiken, BF Morrison, T Tulloch, R Mayhew, RL Wan, FI Bennett, KC Coard, MD Jackson  
The relationship between serum PSA and BMI was examined in men referred to urology clinics in Jamaica. There was an inverse relationship between PSA and BMI among men with prostate cancer. Clinicians should take this relationship into account when interpreting patients' PSA results.

**322 Health Status and Health-seeking Behaviour of Jamaican Men Fifty-five Years and Over**

C Morris, K James, H Laws, D Eldemire-Shearer  
This study describes the health status and health-seeking behaviour of men fifty-five years and older in Jamaica based on a quantitative survey of 2000 men. There are implications for health policy and programming given rapid population ageing in the Caribbean.

**330 Specificity of Vascular Reactivity and Altered Response in Experimental Malaria**

CR Nwokocha, IO Ajayi, DU Owu, AB Ebeigbe  
The direct interaction between the parasitized erythrocytes and vascular endothelial cells altered con-

tractile responses in vascular rings. The regulation of vascular tone by various vasoactive agents following exposure to malaria parasites might be altered in a vessel-specific manner.

**DENTAL FORUM**

**336 Comparative Study of Osteoblastic Activity of Same Implants (Endopore) in the Immediate Extraction Site Utilizing Single Photon Emission Computerized Tomography: Peri-implant Autogeneous Bone Grafting with GTR versus No Peri-implant Bone Grafting – Experimental Study in Pig Model**

C Ogunsalu, C Ezeokoli, A Archibald, J Watkins, C Stoian, H Daisley, C Legall, S Lorde, K Jackson, D Jaggernaut, A Nelson, N Mungal  
This paper addresses the issue of mandatory peri-implant bone grafting following immediate implant placement. In an experimental study on pig model, it is concluded that immediate implant that was decorated with peri-implant bone grafting with GTR displayed more osteoblastic activity than immediate implant with no peri-implant bone grafting.

**CASE REPORTS**

**340 Peutz-Jeghers Syndrome**

DO Whittle, MG Lee, B Hanchard

**344 Non-operative Management of Non-destructive Extra-peritoneal Rectal Injury**

MF Harry, JM Plummer, M Stubbs, R Aitken, P Williams

**346 A Severe Laryngeal Angioedema Reaction from Cefadroxil in a Patient with no Known Allergies to Penicillins**

G Lamba, V Aswani

**349 Parotid Actinomycosis Mimicking Metastatic Lymphadenopathy**

C Mamais, A Dias, J Walker, SR Vydiyanath

**351 Abdominal Scar Endometriosis after Caesarean Section: Report of Five Cases**

E Pikoulis, J Karavokiros, K Veltsista, T Diamantis, J Griniatsos, N Basios, E Avgerinos, G Marinos, V Kaliakmanis

**354 Primary Renal Synovial Sarcoma – A Case Report**

Y Wang, K Wang, Z Zhang, L Chen, F Xu

**357 Transient Cortical Blindness Post Angiography – A Case Report**

TR Clarke, P Johnson, D Webster, DT Gilbert, EN Barton

## VIEWPOINT

### 360 **The Haitian Earthquake Crisis: The First Responders' Perspective**

D McDowell, D Barnes

*Four days after the earthquake, a joint Ministry of Health (MOH)/Jamaica Medical Doctor Association (JMDA) initiated CARICOM endeavour entered Haiti to establish a system whereby medical help could be offered to the Haitian populous. The aims were to set up appropriate surgical operating sites, establish clinic facilities to offer outpatient services and mobile outreach, and to formulate a protocol for the Standard Operational Procedure (SOP) for entry into a disaster zone.*

### 367 **Decriminalization of Marijuana: Is this a Realistic Public Mental Health Policy for Jamaica?**

WD Abel, C Sewell, D Eldemire-Shearer

*Marijuana has potential benefits and adverse effects. Despite its popularity in Jamaica, decriminalization may not be possible given the international and regional obligations.*

## LETTER TO THE EDITOR

### 371 **Malignant Neoplasms in One City in Japan: Based on a Study of Trends**

K Inoue, Y Fujita, M Nishimura

### 371 **A Report Summarizing Measures Formulated to Prevent Aspiration Pneumonia**

Y Fujita, K Inoue

### 372 **Adenocarcinoma of the Colon: An Uncommon Cause of Adult Colonic Intussusception**

M Harry, M McFarlane, J Plummer

### 374 **Future Proposals in Light of the Current Status of Suicide Prevention Measures for the Young and Middle-aged in Japan**

K Inoue, T Fukunaga, Y Fujita, Y Ono

### 374 **Primary Splenic Hydatid Cyst in a Young Boy – An Uncommon Entity**

R Singal, S Goyal, R Goyal, A Mittal, S Gupta