



# WEST INDIAN MEDICAL JOURNAL

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**503 EDITORIAL**

**Screening for Prostate Cancer: Throwing Out the Baby with the Bathwater**

WD Aiken

**SPECIAL ARTICLE**

**505 HTLV-1 Associated Myelopathy/Tropical Spastic Paraparesis: How Far have We Come?**

O Morgan

*The chain of events leading to HTLV-1 associated myelopathy/tropical spastic paraparesis (HAM/TSP) would appear to be as follows: inefficient CTL response to HTLV-1, high proviral load and high level of tax expression, high frequency of tax activated CD4<sup>+</sup> T cells, frequent migration of CD4<sup>+</sup> T cells to the central nervous system, release of IFN- $\gamma$ , TNF and metalloproteinases by antigen-stimulated T cells, and tissue damage.*

**ORIGINAL ARTICLES**

**513 The Effects of Mild Hypothermia on Coagulation Tests and Haemodynamic Variables in Anaesthetized Rabbits**

C Staikou, A Paraskeva, I Donta, T Theodossopoulos, I Anastassopoulou, M Kontos

*This study investigated the effect of mild hypothermia on prothrombin and partial thromboplastin time, platelet count, fibrinogen, blood pressure and heart rate in rabbits. The coagulation mechanism was not clinically affected by mild hypothermia, while haemodynamic responses were significantly suppressed.*

**519 Comparative Analysis of Thyroid Carcinomas in Kingston and St Andrew, Jamaica, between Two Consecutive 15-year Periods**

RK Thompson, TN Gibson, B Hanchard, D McNaughton, N Waugh

*In Kingston and St Andrew, papillary thyroid cancer has surpassed follicular cancer to become the commonest thyroid cancer subtype, and the rank of medullary carcinoma has increased from fifth to third, in keeping with the histological profile exhibited worldwide.*

**525 Penile Cancer in Jamaicans Managed at the University Hospital of the West Indies**

BF Morrison, B Hanchard, RP Graham, ME Reid

*This study represents an analysis and comparison of the clinico-pathological features and outcomes of two sets of patients with penile cancer, managed at the University Hospital of the West Indies, Kingston, Jamaica, between the periods 1952–1958 and 1998–2008.*

**531 A Ten-year Assessment of Anabolic Steroid Misuse among Competitive Athletes in Puerto Rico**

P Acevedo, JC Jorge, A Cruz-Sánchez, E Amy, JL Barreto-Estrada

*This is the first comprehensive study on steroid misuse among competitive athletes in the Caribbean. This study demonstrates the need for a useful framework to*

*(Continued on inside front cover)*

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establish prevention of steroid misuse and educational programmes on such misuse in the Caribbean region.

### 536 Life after Lower Extremity Amputation in Diabetics

P St L Cox, SKP Williams, S Weaver

*Achieving functional independence is the rehabilitation goal for amputees as this leads to a better quality of life (QOL). This study examined the relationship between QOL and functional independence of lower limb diabetic amputees one to three years post amputation. It also explored the relationship between QOL and functional independence with demographic characteristics.*

### 541 Glaucoma Medication Compliance Issues in a Jamaican Hospital Eye Clinic

L Mowatt, J Nelson-Imoru, G Gordon-Strachan

*The level of glaucoma compliance medications was improved in females and those who understood their diagnosis and had no co-morbid diseases.*

### 548 Experimental Study on the Atlanto-axial Joint and Related Structures with Regional Anatomy and Medical Imaging

S Lv, H He, L yang, Q Lin, S Duan

*With the combined use of anatomical and imaging methods, the subtle anatomy of the atlanto-axial joint and related structures as well as their relations can be clearly and directly observed.*

### 553 The Epidemiology of End Stage Renal Disease at a Centre in Trinidad

K Mungrue, S Ramdial, A Barran, B Lorinda, A Bridgelal, S Gildharie, J LeeLoy, O Mohammed, T Ragbir, R Rampersad, R Ramtahal, N Suratsingh

*The rising prevalence of end stage renal disease in Trinidad is occurring predominantly in males 50–59 years who were of African descent and had either hypertension or diabetes or both.*

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**557 Motorcycle Trauma in a St Lucian Hospital**

JD Ogunlusi, C Nathaniel

*Motorcycle trauma in a St Lucian hospital revealed that more than fifty per cent of crashes occurred during the weekends and more than fifty per cent of the motorcyclists were not wearing crash helmets.*

**562 First Record of *Anopheles albimanus* from St Kitts**

H Mohammed, J Smith

*Previous mosquito surveys never identified any *Anopheles* spp mosquitoes in St Kitts. Here we describe the first record of *Anopheles albimanus* in St Kitts.*

**564 Contraception and Induced Abortion in the West Indies: A Review**

AA Boersma, JJG de Bruijn

*This literature review about contraception and induced abortion in the West Indies shows quite a modest track of scientific records, poor knowledge of contraception, high estimated number of induced abortion and missing research on prevalence of abortion. Most islands have restrictive laws on abortion.*

**571 Acute Computed Tomography Findings in Patients with Acute Confusion of Non-traumatic Aetiology**

WM West, A Ali, KP West, R Stultz

*A retrospective review was undertaken of all patients referred for computed tomography brain scan for acute onset of confusion not consequent on head trauma. Most patients were 50 years or older; 20.4% had acute abnormalities, the most common being an ischaemic infarct.*

**DENTAL FORUM**

**576 Dental Health Knowledge and Attitudes of Primary School Teachers toward Developing Dental Health Education**

V Ramroop, D Wright, R Naidu

*Teachers have a fair understanding of dental health issues. Resources and training would aid in school-based dental health education.*

**581 Relationship between Body Mass Index and Dental Caries among Adolescent Children in South India**

HM Thippeswamy, N Kumar, S Acharya, KC Pentapati  
*This study emphasizes the significant association of body mass index, sweet consumption and dental caries among adolescent school children in rural India.*

**CASE REPORTS**

**587 Advanced Abdominal Pregnancy: A Case Report of Good Maternal and Perinatal Outcome**

EM Brewster Sr, EA Braithwaite, EM Brewster Jr

**590 Laparoscopic Cervicoisthmus Cerclage for the Treatment of Cervical Incompetence: Case Reports**

V DaCosta, S Wynter, J Harriott, L Christie, J Frederick, S Frederick-Johnston

**594 Fatal Neutropenic Enterocolitis Due to *Clostridium Septicum***

BK Shah, R KC

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**597 Prostate Cancer Incidence in Jamaica before and after the Introduction of Prostate Specific Antigen**

WA Aiken

**597 Re: Prostate Cancer Incidence in Jamaica before and after the Introduction of Prostate Specific Antigen**

TN Gibson, B Hanchard, N Waugh, D McNaughton

**599 BOOK REVIEW**

**Dentistry in Jamaica, 1905–2009: A Review**