

Table of Contents - March 2009
Vol 58, No. 2: 81–192

EDITORIAL

81. Teaching Molecular Medicine within Medical Education: No time to wait

A Rojas, R Silva, M Castro, E Mercadal, I González, H Figueroa

84. Medicine and the Humanities in Medical School Curricula

C Bartholomew

ORIGINAL ARTICLES

87. Controlled Delivery of Ranitidine in the Stomach using Magnetic Field

M Saravanan, AB Balaji, P Kavitha, JD Kingsley

Gelatin magnetic microspheres loaded with ranitidine were localized in the stomach by magnetic field for controlled drug delivery. The microspheres released/retained the drug over a period of eight hours in the stomach and are very useful in the oral controlled delivery of drugs that undergo intestinal metabolism.

92. Lipoxxygenase Inhibitory Tetraketones: Potential Remedial Source for Inflammation and Asthma

S Ali, GM Maharvi, N Riaz, N Afza, A Malik, AU Rehman, M Lateef, L Iqba

Twenty-one tetraketones were synthesized in high yields by condensation of cyclohexane-1, 3-dione with a variety of aldehydes in the presence of tetraethyl ammonium bromide ($Et_4N^+ Br^-$) as catalyst under mild reaction conditions. Most of these compounds showed significant inhibitory activity against the enzyme lipoxxygenase.

99. Students Admitted to University who fail: Hidden Disabilities Affecting Students Performance

AM Pottinger, F La Hee, K Asmus

Hidden disabilities, especially attention deficit hyperactivity disorder and the associated social and emotional challenges are significantly related to students' academic performance and adjustment to university.

- 106. HIV Seroprevalence among Male Prison Inmates in the Six Countries of the Organization of Eastern Caribbean States in the Caribbean**
EV Boisson, C Trotman
Six unlinked, anonymous point prevalence surveys of a total of 1288 male inmates were conducted during a one year period. The overall HIV prevalence was 2.8%, three times higher than the estimated OECS population prevalence.
- 112. HIV Testing and Counselling for Prevention of Mother-to-Child Transmission at Labour and Delivery in Guyana**
S Schumacher, J Norin, O Bolu, A DuBois, J Wolford, N Shaffer
HIV testing at labour and delivery is feasible and an important safety net for women missed during antenatal care.
- 114. Seroprevalence of *Leptospira* in *Rattus Norvegicus* in Grenada, West Indies**
J Keenan, R Sharma, R Dicker, J Rayner, D Stone
*Analysis of seroprevalence and serovars responsible for of *Leptospira* exposure in *Rattus norvegicus* in Grenada and a comparison of prevalence rates for *Rattus* species from other Caribbean islands.*
- 118. Injury Surveillance in Trinidad: An Accident and Emergency Based Injury Surveillance System at the San Fernando General Hospital**
S Ramroop, MC Turner, R Bynoe, MJ Garner, R Clarke, D Krewski, M Francis
This paper presents an overview of data collected in the first three years of operations from 2002 to 2004 of an injury surveillance system.
- 124. Adolescent Ears: An avenue into their Sexual and Reproductive Health Values**
D Holder-Nevins, D Eldemire-Shearer, A McCaw-Binns
Key informant interviews, content analysis of Dancehall songs and focus group discussions were qualitative methods used to understand the sexual and reproductive health themes that Jamaican adolescents are learning from Dancehall music.

- 130. Postoperative Nausea and Vomiting in Laparoscopic versus Open Cholecystectomy at two Major Hospitals in Jamaica.**
JM East, DIG Mitchell
The risk of postoperative nausea and vomiting was determined retrospectively and compared for 180 and 175 patients having elective laparoscopic and open cholecystectomy respectively at two major hospitals in Jamaica.
- 138. A Review of Granular Cell Tumours at the University Hospital of the West Indies: 1965–2006**
C Dupuis, KCM Coard
An analysis of granular cell tumours confirmed their uncommon occurrence. However, many more lesions than expected, developed in the breast and vulva compared to the tongue which is the most commonly reported location.
- 142. Distribution of Nosocomial Organisms and their Resistance Patterns in the Intensive Care Unit of the University Hospital of the West Indies, Kingston, Jamaica**
AM Nicholson, S Ledgister, T Williams, S Robinson, P Gayle, T Lindo, D Castle, K Shaw, S Moonah
This information would guide empiric therapy as well as infection control measures.
- 149. An Assessment of Clinical Predictors of Intracranial Head Injury identified by Computed Tomography Scan**
W West, D Chambers, K Myint, D Cornwall, J Williams-Johnson
A prospective study, using CT scans, has determined that the absence of amnesia, loss of consciousness, vomiting and ENT bleed in the history and a Glasgow Coma Score of 15 on examination alone or in combination cannot exclude the presence of intra-cranial injury.
- 153. Pulmonary Hypertension: A review of the Aetiology, Pathophysiology and Management**
M Scarlett, C McGaw, A Aquart-Stewart
This paper gives an update on pulmonary hypertensive diseases which are a challenge to treat.

- 160. Factors Influencing the Virulence of *Candida Spp***
HDM Coutinho
Knowledge on factors that promote candidiasis is essential to combat this infection and the risks associated with it, hence making the government health system more equipped against this problem.

- 164. Co-morbidity of Alcohol Dependence and Select Affective and Anxiety Disorders among individuals of East Indian and African Ancestry in Trinidad and Tobago**
S Shafe , DA Gilder, LK Montane Jaime, R Joseph , S Moore, H Crooks, C Ramcharam, CL Ehlers
Co-morbidity of major depressive disorder with alcohol dependence is common in the two major ethnic groups in Trinidad and Tobago. Other anxiety and affective disorders occurred in three per cent or less of patients and controls.

- 173. Outcome Evaluation of Patients Requiring Tracheostomy in an Intensive Care Unit in Trinidad**
S Olton, S Hariharan, D Chen
This article shows that tracheostomy should ideally be done within ten days following ICU admission when there is a clear need an indication for the procedure. Further delay may contribute adversely towards the ICU morbidity and mortality.

SHORT COMMUNICATIONS

- 179. Risk and Protective Factors in the Development of Post-traumatic Stress Disorder Symptoms among a Cohort of Students in two Tertiary Institutions Post Hurricane Ivan**
EM Thompson, WD Abel
Six weeks after the passage of Hurricane Ivan, factors strongly correlated with post-traumatic stress disorder symptoms were social support, gender, stressful life experience, emotional experience during the hurricane and experiences of loss and injury as a result of the hurricane.
- 181. Further Insight into the Bovine Serum Albumin Assay (The *in vitro* anti-inflammatory assay)**
LAD Williams
*Bovine Serum Albumin as an *in vitro* anti-inflammatory assay*

CASE REPORTS

- 183. Leiomyosarcoma of the Kidney**
W Aiken, T Gibson, S Williams, D Gaskin
- 185. Association between Acute Myeloblastic Leukaemia and Sarcoidosis**
O Ozbudak, IH Ozbudak, KP Wang

CONTINUING MEDICAL EDUCATION

- 188. Use of a Combined Sliding and Rotation Flap to Close a Central Forehead Defect**
L Weatherhead

LETTER TO THE EDITOR

- 190. The Urgent Need for Additional Suicide Prevention Measures among Men in the United States of America**
Y Fujita

- 191. BOOK REVIEW**

- 192. FORTHCOMING MEETINGS**