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425 EDITORIAL

The Need to Strengthen Malaria Control in the Caribbean in the Era of HIV/AIDS

JP Figueroa

ORIGINAL ARTICLES

427 Chemical Composition of Urinary Tract Stones at the University Hospital of the West Indies

E Choo-Kang

Urinary tract stones have an incidence of up to fifteen per cent in industrialized countries. Chemical analysis of stones at The University Hospital of the West Indies over a 25-year period showed that most contained calcium followed by uric acid and phosphate.

431 An Analysis of Dietary Micronutrient Intakes in Two Age Groups of Black South African Women

Z Hattingh, CM Walsh, CJ Bester, OO Oguntibeju

Public health burden of micronutrient deficiencies in South Africa has been reported. In this study, micronutrient intakes were generally adequate in this population, however attention should be given to those micronutrients where median intakes were <67% of the recommended dietary allowance and those that were not at/or above the respective adequate intake in these groups of women.

438 The Nutritional Status of Clinic Attendees Living with HIV/AIDS in St Vincent and the Grenadines

J Burgin, S Nichols, N Dalrymple

Persons living with HIV and AIDS are at increased risk for poor eating habits and depleted muscle mass.

444 HIV and Syphilis Infection among Gold and Diamond Miners – Guyana, 2004

N Seguy, M Denniston, W Hladik, M Edwards, C Lafleur, S Singh-Anthony, T Diaz

HIV and syphilis prevalence survey was conducted at Guyanese mines in 2004. The estimated HIV prevalence among Guyanese miners was higher than that of the general population. Targeted interventions are recommended to prevent further spread of HIV among miners.

450 Determinants of Risk Behaviour of Sex-workers in Jamaica

A Qualitative Approach

D Eldemire-Shearer, A Bailey

A qualitative study of commercial sex-workers is described highlighting the contribution of focus group methodology to medical research. Risk factors and underlying reasons to be considered in health promotion programmes for commercial sex-workers are also described.

456 Malaria Control and Treatment Strategies among School Children in Semi-urban Tropical Communities

EA Ekpenyong, JE Eyo

The study on Plasmodium infections among school children and the relationship between the use of malaria control measures and prevalence revealed that

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malaria is a major public health problem in Nigeria. Prevalence rates varied between location of schools, age and gender, while preventive measures favoured the use of bed nets and living in screened houses.

462 Malaria and its Vectors in the Caribbean: The Continuing Challenge of the Disease, Forty-Five Years after Eradication from the Islands

SC Rawlins, A Hinds, JM Rawlins

Data on imported and autochthonous malaria (1980 – 2006) from 21 Caribbean countries as well as Anopheles vector prevalence are correlated to determine the current risk of malaria transmission. It is concluded that all the essential malaria transmission conditions – appropriate vector, imported Plasmodium organisms and a susceptible human host population – now exist in most Caribbean countries. Malaria prevention warnings and suggested strategies are issued to the Caribbean countries.

470 Impact of Environment and Behaviour on Self-esteem in Jamaican Adolescent Girls

KAD Morgan, SN Brodie-Walker

This article investigates the issue of self-esteem and identity among a cohort of Jamaicans of African descent. The findings add to data on the resilience of persons of African extraction.

476 Health Determinants: Using Secondary Data to Model Predictors of Well-being of Jamaicans

PA Bourne

This study broadens the operational definition of well-being from physical functioning or health conditions to include material resources and income. Secondly, it seeks to provide a detailed listing of predisposed variables and their degree of influence (or lack of) on general well-being.

482 Management of Obstetric Anal Sphincter Injuries at The University Hospital of the West Indies

SO Cawich, DIG Mitchell, A Martin, H Brown, VE DaCosta, T Lewis, M Newnham, L Christie

This 28-month retrospective series examines seven women with obstetric anal sphincter injuries. There is high morbidity (43%) after these injuries are repaired. Some unfavourable influences on current

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management may be corrected in order to improve therapeutic outcomes.

486 Laparoscopic Heller's Myotomy for Treatment of Achalasia in the Caribbean

D Dan, S Seetahal, V Naraynsingh

This article demonstrates that laparoscopic Heller's procedures can be performed efficiently and utilized as an effective treatment for achalasia within a Caribbean setting.

490 Donor Site Morbidity Following Iliac Crest Bone Graft

W Palmer, A Crawford-Sykes, REC Rose

A retrospective review of the short and long term complications following harvesting of iliac crest bone graft was performed. Autogenous iliac crest bone graft is associated with significant morbidity.

493 Chronic Myeloid Leukaemia at the University Hospital of the West Indies: A 17-Year Review

LM Buchner-Daley, DC Brady-West

The mean age of chronic myeloid leukaemia was 10 years earlier than reported but no significant differences in presentation or evolution were evident.

497 Cotrimoxazole Resistance in *Streptococcus pneumoniae* Isolated from Sputum of HIV-Positive Patients

A Adeleye, L Uju, N Idika, O Sobande

S pneumoniae was isolated from eleven sputum samples obtained from HIV-positive patients in Lagos. All the isolates were resistant to cotrimoxazole, a drug recommended by WHO for treatment of respiratory infections in HIV patients.

DENTAL FORUM

500 Single Photon Emission Computerized Tomography in the Evaluation of the Osteoblastic Activities of a New Bone Regeneration Technique: Analysis of 12 Mandibular Sites in six Experimental Pigs

C Ogunsalu, C Ezeokoli, A Adogwa, H Daisley, J Watkins, A Archibald, C Legall, O Khan

For the first time single photon emission computerized tomography (SPECT) is utilized to sequentially capture and document the dynamic physiologic activity

(osteoblastic activity) around the Ogunsalu Sandwich bone regeneration unit (a double GTR-membrane technique) and to compare this with osteoblastic activity in bone regeneration site which utilized the conventional GTR (single GTR-membrane) technique in porcine mandibular defect that was surgically created. The osteoblastic activity and bone regenerated by the Ogunsalu sandwich bone regeneration technique was more than that which utilized the conventional technique.

CASE REPORTS

508 Simultaneous Spontaneous Bilateral Pneumothorax in an Asthmatic

J Williams-Johnson, EW Williams, N Hart, C Maycock, K Bullock, P Ramphal

511 Molecular Analysis and Implications of Neuroviral Circulating Vaccine-derived poliovirus in Jamaica

ST Jackson, AM Mullings, TF Booth, L MacDonald, SO Henry, CA Khan, PD McLaughlin

515 Emergency Whipple's at a Rural Hospital in Jamaica

WE Dawes, RA Collins, PE Duke

VIEWPOINT

517 The Role of Surgeon Specialization in Improving Patient Outcomes: A Challenge for the Caribbean

MEC McFarlane

Several reviews of the effectiveness and outcome of surgical procedures performed by specialized and non-specialized surgeons have shown an improvement in outcome including survival in patients who had surgery performed by specialist trained surgeons. These findings are relevant to surgical practice in the Caribbean.

LETTER TO THE EDITOR

519 Chromosomally Mediated Antibiotic Resistance in Non-typhoidal Salmonellae Isolated from HIV Patients in Lagos

A Adeleye, L Uju, N Idika, O Sobande, E Igbinosun

521 Forthcoming Meetings

recommended by WHO for treatment of respiratory infections in HIV patients.

497 Effect of a Government Funded Medication Programme on Paediatric Asthma Hospital Admissions in Antigua and Barbuda

TC Martin, F Heitor, J Price, K Kienstra, L Walwyn-Venugopal, PA Aslam

Asthma admissions to Holberton Hospital were tabulated for the six years prior to and for the six years following institution of a government funded programme to provide asthma medication to children in Antigua and Barbuda at no out-of-pocket cost. There was a drop in number of annual admissions – 38% drop. Number of multiple admissions per year – 46% drop – and the number of children with multiple admissions per year – 40% drop.

502 Laparoscopic Nissen Fundoplication for Improved Gastrointestinal Symptoms and Quality of Life

D Dan, S Seetahal, V Naraynsingh

This article examines the role of laparoscopic Nissen fundoplication in the treatment of gastro-esophageal reflux disease. It describes how the procedure affected symptomatology and gastrointestinal-related quality of life among a population of 24 patients.

509 Reliability of the Evaluation of Students' Answers to Essay-type Questions

T Anatol, S Hariharan

Marks awarded to 1864 answers to essay questions reflected an agreement of 46.3% between markers, increasing to 90.7% within a range of $\pm 5\%$. The test reliability was 0.78. This method of assessment must be supplemented by other methods.

511 Glycated Haemoglobin A_{1c} Measurement in Stored whole Blood Sample is Reliable for Clinical Use

CE Ezenwaka, D Seales, R Surujlal, RP Mathura

The study evaluated the measurement of HbA_{1c} in stored whole blood samples and the results showed that the effect of storage degradation product was not significant enough to compromise the clinical or research use of HbA_{1c} test results from stored whole blood samples.

515 Cotrimoxazole Resistance in *Streptococcus pneumoniae* Isolated from Sputum of HIV-Positive Patients

A Adeleye, L Uju, N Idika, O Sobande

S pneumoniae was isolated from eleven sputum samples obtained from HIV positive patients in Lagos. All the isolates were resistant to Cotrimoxazole, a drug

532 Retroperitoneal Pararenal Castleman's Disease

OP Michail, P Tsirkinidis, A Androulaki, C Georgiou, M Angelopoulou, J Griniatsos

536 Manchineel Poisoning Bradyarrhythmia a Possible Association

A Sparman, J John, L Wills

540 Spontaneous Resorption of Exudative Retinal Detachments Associated with Ischaemic Central Retinal Vein Occlusion

L Mowatt, A Tyagi

542 Systemic Lupus Erythematosus and Hyper-eosinophilic Syndrome: An Unusual Association

Z Habibagahi, M Ali Nazarinia, E Aaflaki, M Ali Ostovan, M Hadi Bagheri
Synopsis needed

550 Forthcoming Meetings