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405 EDITORIAL

Violence Prevention – A Primary Care Approach
CA Sewell, J Martin, W Abel

ORIGINAL ARTICLES

407 Implications of Dibenzyl Trisulphide for Disease Treatment Based on its Mode of Action

LAD Williams, EN Barton, W Kraus, H Rösner
The MAPKinase signal transduction biochemical pathways are important in the regulation of a wide range of cellular processes which are important in disease establishment.

410 Effect of Acute changes in Glucose Concentration on Neuronal Activity and Plasticity in the Rat Hippocampus

FF Youssef, S Manswell, L Homeward
Acute changes in glucose concentration have a limited impact on neuronal transmission unless concentrations drop below 2mM. However, there seems to be little impairment of synaptic plasticity even at very low concentrations of glucose.

417 Soluble Cell Adhesion Molecules and Parameters of Lipoprotein Metabolism in Patients with Severe Burns

F Rassoul, V Richter, C Kistner, D Wisser, B Reichert
The observed inflammatory response of soluble cell adhesion molecules could be useful in monitoring endothelial activation immediately following thermal injury.

422 The Effects of Ingested Aluminium on Brain Cytochrome Oxidase Activity

N Mohan, T Alleyne, A Adogwa

When rabbits were maintained on a diet supplemented with aluminium, a 35% decrease in brain cytochrome c oxidase activity (COX) was observed. Isolation of highly purified COX proved to be difficult and a number of the enzyme's low molecular weight subunits was absent.

428 Does Helicobacter Pylori Identification in the Mucosa of the Gallbladder Correlate with Cholesterol Gallstone Formation?

J Griniatsos, S Sougioultzis, K Giaslakitotis, M Gazouli, E Prassas, E Felekouras, O Michail, E Avgerinos, E Pikoulis, G Kouraklis, I Delladetsima, M Tzivras

Using both standard histology and polymerase chain reaction, H pylori was detectable in a low frequency in the mucosa of the gallbladder and no statistical differences were found between patients with cholesterol gallstones and patients without cholelithiasis. Thus, H pylori does not seem to act as a lithogenic component for cholesterol gallstone formation.

433 Effect of Metformin on Miscarriage in Pregnant Patients with Polycystic Ovary Syndrome

F Sohrabvand, M Shariat, F Haghollahi, B Bagheri

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In pregnant patients with polycystic ovary syndrome, continuing metformin until 8-12 weeks gestation seems to be effective in preventing miscarriage without proven teratogenic effects

437 Correlation of CD4 Count with Platelet Count, Prothrombin Time and Activated Partial Thromboplastin Time among HIV Patients in Benin City, Nigeria

R Omoregie, SI Osakue, V Ihomeje, EU Omokaro, HO Ogefere

This study reveals that platelet count did not correlate with CD4 count of HIV patients. Only PT correlated with CD4 count and the correlation was observed only amongst HIV patients with CD4 count < 200/ μ L. Endothelial activation was suggested as the possible reason.

441 The Centrality of Community Dynamics in the Socio-economic Recovery of Devastated Communities

A Gomez, W Atallah, S Bidaisee, C Patel, O Amuleru-Marshall

An assessment of the health and socio-economic outcomes of a community hit by a hurricane revealed social fragmentation and disrupted the economic support of that community. Efforts have addressed immediate and basic needs; however, economic recovery remains unresolved.

446 Results of an Exercise to Estimate the Cost of Interpersonal Violence in Jamaica

E Ward, T McCartney, DW Brown, A Grant, A Butchart, M Taylor and the Technical Working Group for the Costing Study (P Bhoorasingh, H Wong, C Morris, AM Deans-Clarke, J East, C Valentine, S Dundas, C Pinnock)

During 2006, direct medical cost of injuries due to interpersonal violence accounted for nearly 12% of Jamaica's total health expenditure while productivity losses due to interpersonal violence-related injuries accounted for approximately 160% of Jamaica's total health expenditure or four per cent of gross domestic product.

Continued on Inside Back Cover

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452 Anaesthetic Morbidity at the University Hospital of the West Indies

IA Tennant, R Augier, A Crawford-Sykes, IR Hambleton, M Tha, H Harding

Prospective analysis of 3185 anaesthetic procedures revealed a complication rate of 201 per 1000 intra-operatively and 93 per 1000 during recovery. Cardiovascular complications were most frequent intra-operatively, whilst hyperglycaemia, nausea and vomiting were most common during recovery. Risk factors included ASA status, age, co-morbid conditions, prolonged anaesthesia, high surgical risk and intubation.

460 Preventing Behaviour Problems through a Universal Intervention in Jamaican Basic Schools: A Pilot Study

H Baker-Henningham, SP Walker, C Powell, J Meeks Gardner

A pilot study of an evidence-based intervention to prevent child behaviour problems was conducted in Jamaican basic schools. Benefits of intervention were found in children's conduct problems, hyperactivity and peer problems and in the quality of teacher-parent contacts.

465 Body Image Perception and the Risk of Unhealthy Behaviours among University Students

SD Nichols, SS Dookeran, KK Ragbir, N Dalrymple
In this study, we sought to determine whether dissatisfaction with one's body was associated with unhealthy behaviour among university students. The findings suggest that body dissatisfaction was associated with increased risk of depression, lower self-esteem and weight-related behaviour.

472 Assessment of Human and Material Resources Available for Primary Eye-care Delivery in Rural Communities of Southwestern Nigeria

OH Onakpoya, AO Adeoye, BO Adegbehingbe, FB Akinsola

Integration of primary eye-care into the existing primary healthcare system will benefit rural communities provided the required human and material resources for primary eye-care delivery are available.

476 Measuring Quality of Performance of a Genitourinary Medicine Primary Care Team

A Lwegaba, K Kilaru

Through measuring the quality of the clinical management of genitourinary/sexually transmitted infection in a primary care setting, data indicate that improvement targets should aim at, among other, laboratory support, tactics for improving partner notification, utilization of opportunities for education and motivation of patients and cost-effective medication that can half the cost.

CASE REPORTS

485 Misdiagnosis of Carbon Monoxide Intoxication in a Patient with Known Coronary Artery Disease – A Case Report and Review of Cardiovascular Effects of Carbon Monoxide Poisoning

A Tanindi, R Yalcin

488 Spontaneous Rupture of a Varicocele

WN Chin, M Cadogan, R Wan, L Harrison

490 Malignant Transformation of Oral Lichen Planus

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494 Zootherapy in Brazil: An Urgent Necessity of Interdisciplinary Studies

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