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1 SPECIAL EDITORIAL

The 16th International AIDS Conference, Toronto, 2006: Working to Increase the Response to the Growing Global Epidemic
JP Figueroa

ORIGINAL ARTICLES

5 ***In Vitro* Anti-Proliferation/Cytotoxic Activity of Epingaione and its Derivatives on the Human SH-SY5Y Neuroblastoma and TE-671 Sarcoma cells**

LAD Williams, J Conrad, B Vogler, H Rösner, RBR Porter, W Setzer, EN Barton, HG Levy, S Mika, I Klaiber, JP Nkurunziza, W Kraus

The present article evaluates the in vitro anti-proliferation/cytotoxic activity of Epingaione and selected derivatives isolated from Bontia daphnoides L on the human SH-SY5Y neuroblastoma and TE-671 sarcoma cells.

11 **Demonstration of Antihistamine Properties with AST-1: A Bioactive Extract from Garden Slugs (*Diplosolenodes occidentalis*)**

A Jacob, O Simon, P Reese, P Singh

A bioactive extract from parched and ground garden slugs has H₁-antihistamine properties which inhibited contraction of guinea pig in vitro tracheal muscle preparation and cutaneous allergic responses. These effects may be the scientific basis of a folklore use of slug material to control asthmatic attack that is most likely associated with allergy.

17 **A Critical Review of the Therapeutic Potential of Dibenzyl Trisulphide Isolated from *Petiveria alliacea* L (Guinea hen weed, anamu)**

LAD Williams, H Rosner, HG Levy, EN Barton

The manuscript reviewed the 12 yrs (1992 – 2004) of research done on dibenzyl trisulphide (DTS) as a potential therapeutic agent. These studies revealed that DTS could be useful in the treatment of cancers, immunological disorders and memory loss.

22 **Investigation of Essential Oil Extracts from Four Native Jamaican Species of *Bursera* for Antibacterial Activity**

GO Junor, RBR Porter, PC Facey, TH Yee

The antibacterial property of B. simaruba could explain its ethno-medical use for the treatment of wounds in the Caribbean.

26 **Epidemiological Profile of Cancer for Grand Bahama Residents: 1988 – 2002**

AF Brathwaite, N Brathwaite, A del Riego

Breast and cervical cancers were the most frequently diagnosed in females while prostate and colon cancers were the ones in males in a 15-year review in Grand Bahama, Bahamas. The most frequent cancers causing death were breast and prostate.

(Continued on inside front cover)

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V Persaud 1975–1995

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WN Gibbs 1996–1999

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34 Determinants of Aggressive and Prosocial Behaviour Among Jamaican Schoolboys

JM Meeks Gardner, CA Powell, SM Grantham-McGregor

Aggressive and prosocial boys were studied. Many differences were detected, including neighbourhood and family factors. These should be the focus of interventions to reduce violence among boys.

42 Caregivers' Perception of HIV-Infected Dominican Children's Behaviour

N Burgos, M Hernandez-Reif, R Mendoza, R Castillo, G Shor-Posner

The perception of 52 Dominican caregivers, regarding their HIV+ children's (2–8 years) behaviour, was assessed using the Child Behaviour Checklist. Caregivers perceived significant pathological internalizing behavioural symptoms in immunosuppressed children, and older female children were perceived as withdrawn/depressed.

48 Assessment of Knowledge and Attitudes about HIV/AIDS among Inmates of Quthing Prison, Lesotho

VA Akeke, M Mokgatle, OO Oguntibeju

Knowledge and attitudes about HIV/AIDS among Quthing prison inmates in Lesotho were assessed using a semi-structured questionnaire. Results showed that knowledge about HIV/AIDS was high among inmates while others had a misconception about use of condoms. There was evidence of unfavourable attitudes towards people living with HIV/AIDS.

55 Behavioural Symptoms of Children with HIV Infection Living in the Dominican Republic

R Mendoza, M Hernandez-Reif, R Castillo, N Burgos, G Zhang, G Shor-Posner

A high percentage of Dominican parents/caregivers rated their HIV infected children as experiencing internalizing (anxiety, depression, somatic complaints) and externalizing problems (rule breaking and aggressive behaviour). Research needs to examine other contributing factors for the maladaptive behaviours such as socio-economic status, caregiver illness, caregiver education and parental loss.

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- 60 Trends in the uptake of Antenatal Voluntary Counselling and Testing for HIV and HIV Prevalence among Childbearing Women in Barbados, 1993–2004: Evidence to Gauge the Effectiveness of HIV Prevention Measures**

A Kumar, H St White, AO Carter

This study describes the trend in the uptake of HIV testing and HIV prevalence among pregnant women. The uptake of HIV testing has significantly increased. The incidence of newly diagnosed HIV infected pregnant women has declined significantly.

- 66 Attitude Towards Intimate Partner Violence Against Women and Risky Sexual Choices of Jamaican Males**

GA Gibbison

In this paper, the authors looked at whether men who support intimate partner violence against women are more likely to have unsafe sexual practices and social attitudes that could increase women's risk of contracting sexually transmitted infections, including HIV.

- 72 Persistent Left Superior Vena Cava: The Anatomical and Surgical Importance**

M Erdoğan, P Karakaş, F Uygur, B Meşe, B Yamak, MG Bozkir

This anatomical variant must be recognized to avoid potential complications when carrying out surgical procedures.

SPECIAL ARTICLES

- 77 Spline Regression in Clinical Research**

ZD Mulla

An introduction to the simple technique of spline regression is provided using data from a study of patients hospitalized for invasive group A streptococcal disease. A spline model is used to examine the dose-response association between serum albumin and mortality.

- 80 Modernizing Medical Education: Perspective from a Developing Country**

B Bassaw, P Pitt-Miller

As medical schools modernize in order to respond to increasing demands for better-trained doctors, there is a need to pay particular attention to the curriculum,

with greater emphasis on training in the community, in team-working and in communication.

- 86 Family Medicine Training by Distance Education**

P Williams-Green, A Matthews, T Paul, C McKenzie
At the University Hospital of the West Indies, training for general practitioners utilizes distance education. Trainees attend outpatient clinics while completing didactic material delivered in the print format.

DENTAL FORUM

- 90 Odontogenic Keratocyst in Jamaica: A Review of Five New Cases and Five Instances of Recurrence Together with Comparative Analyses of Four Treatment Modalities**

C Ogunsalu, H Daisley, A Kamta, D Kanhai, M Mankee, A Maharaj

This is a review of odontogenic keratocyst in Jamaica from two hospitals

- 96 Dental Caries Status and Treatment Needs of Children of Fisher Folk Communities, Residing in the Costal Areas of Karnataka Region, South India**

Bhat Meghashyam, L Nagesh, A Ankola

A study was carried out to assess the dental caries status of children from fisher folk communities in South India. The prevalence of dental caries was found to be high in the study population. Further research is suggested to explore the existing scenario.

- 99 Lifestyle of Dentists' in South India**

Bhat Meghashyam, L Nagesh, A Ankola

A study was conducted to understand the lifestyle of dentists in south India. The dentists were found to be affected by time and scheduling pressures and pay related stressors but were largely satisfied with their jobs as dentists.

- 101 LETTER TO THE EDITOR**

Metastatic Gas Gangrene

S French

- 103 Tribute to Professor David Bradshaw Stewart**

- 104 FORTHCOMING MEETINGS**