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455 EDITORIAL

Life's Immunity as a Normal Distribution Function: Philosophies for the use of Dibenzyl Trisulphide in Immunity Enhancement and Life Extension

LAD Williams

ORIGINAL ARTICLES

456 Age-specific Incidence of Cancer in Kingston and St Andrew, Jamaica, 2003–2007

TN Gibson, B Hanchard, N Waugh, D McNaughton
Cancer registrations in Kingston and St Andrew (2003–2007) have revealed that cancers of the prostate, breast, lung, cervix uteri and large bowel remain the commonest. Malignancies of unknown primary site also feature prominently and require further investigation.

465 Incidence of Childhood Cancer in Trinidad and Tobago

C Bodkyn, S Lalchandani
The incidence of childhood cancer in Trinidad and Tobago is lower than that reported in developed countries. There are some unique findings with the incidence of nephroblastoma and the relatively high incidence of leukaemia in three counties.

469 Human Papilloma Virus Screening by Hybrid Capture II in Chinese Women of Jiangsu Province

QW Wang, PZ Xu, B Zhang, YS Dong, YQ Yang, F Cao, B Yu

Surveying human papilloma virus (HPV) infection in Chinese Women of Jiangsu Province by high-risk HPV DNA test is effective.

473 Potassium Channel Openers Exhibit Cross-tolerance with Morphine in two Experimental Models of Pain

N Khanna, RS Malhotra, AK Mehta, GR Garg, S Halder, KK Sharma

The study suggests that both morphine and potassium channel openers are cross-tolerant, which was assessed using formalin and tail-flick tests. However, such interaction occurs at the level of potassium channels rather than at the level of receptors.

479 Elements in Human Placentae in Jamaica

C Grant, G Lalor, H Fletcher, T Potter, M Vutchkov, M Reid

Fifty-two placentae of Jamaican mothers, with a mean age of 29 years, at term were collected. Samples were analysed using Instrumental Neutron Activation Analysis for mercury and 9 other elements. Data were correlated with several parameters collected at delivery and by questionnaire data.

486 Progression from Prehypertension to Hypertension in a Jamaican Cohort: Incident Hypertension and its Predictors

TS Ferguson, N Younger, MK Tulloch-Reid, MB Lawrence-Wright, TE Forrester, RS Cooper, J Van den Broeck, RJ Wilks

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Prehypertension is associated with an approximately three-fold increase in the incidence of hypertension over an average four-year follow-up period. Overweight status, older age and female gender are also significant predictors for the development of hypertension.

494 Effect of Menopause, Anthropometry, Nutrition and Lifestyle on Bone Status of Women in the Northern Mediterranean

S Pavicic Zezelj, O Cvijanovic, V Micovic, D Bobinac, Z Crucevic-Orlic, G Malatestinic

In Mediterranean women, effects of menopause, age, anthropometry, nutrition and lifestyle on bone parameters were assessed. Broad Ultrasonic Attenuation and Speed of Sound were negatively predicted by menopause. Numerous effects were determined in postmenopausal compared to premenopausal women.

503 Drug-herb Interaction: Database of Medicinal Plants of the Caribbean, their Indications, Toxicities and Possible Interactions with Conventional Medication

DH Cohall, A Griffiths, T Scantlebury-Manning, HS Fraser, CMS Carrington

West Indian Drug-herb Interaction Database 0.06 is a comprehensive database of the popular medicinal plants in the Caribbean and is intended to be utilized by primary care physicians and pharmacists. It might mitigate adverse drug reactions resulting from drug-herb interactions. It also provides details on the plants' locations, preparation, bioactive ingredients, indications, toxic effects and indications

509 The Detection of Mupirocin Resistance and the Distribution of Methicillin-resistant *Staphylococcus aureus* at the University Hospital of the West Indies, Jamaica

AM Nicholson, C Thoms, H Wint, M Didier, R Willis, N McMorris, D Castle, N Maharaj, FA Orrett

Methicillin-Resistant Staphylococcus aureus is an important cause of nosocomial infection. Nasal carriage plays an important role in its spread and is usually treated by topical mupirocin. The emergence of mupirocin resistance is significant since it is one of the few topical antimicrobial agents shown to be safe and effective.

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- 514 The Guillain-Barré Syndrome at Two Hospitals in Trinidad, West Indies: A Review of 26 Patients**
A Esack, S Teelucksingh
Over a period of four years, twenty-six consecutive patients with Guillain Barré syndrome were studied for their clinical features, electrophysiological findings, response to treatment with intravenous immunoglobulin therapy and recovery rates.
- 518 “V”-Technique as a Method of Breast Conserving Surgery in Multifocal and T2 Invasive Breast Cancers Situated in the Upper Outer Quadrant**
F Lovasic, E Mustac, I Belac-Lovasic, M Urvic, M Petkovic, E Radetic
We present a modality of conserving surgery treatment in multifocal and/or T2 breast carcinomas with tumour diameter 3–5 cm situated in the upper outer quadrant.
- 523 Exercise Habits in South Trinidad: Motivating Forces and Barriers**
TJR Bawah, P Nunes
This paper looks at the exercise habits of a multi-racial sample population in South Trinidad. Most persons do not exercise, or exercise inadequately and lack of adequate time is the major reason given by persons in the 15–59-year age group for not exercising.
- 529 Physical Activity Levels of Senior Secondary School Students in Ibadan, Western Nigeria**
NA Odunaiya, OA Ayodele, OO Oguntibeju
Inactivity and low levels of physical activity are predisposing factors to many chronic diseases which are showing an increase in prevalence in sub-Saharan Africa generally. This study showed that adolescents are not involved in adequate physical activities that could safeguard their present and future well-being.
- 535 Barium Enema Reduction of Intussusception in a Developing Country**
R Tota-Maharaj, B Rampersad, R Indalsingh
This study aims to assess the current success rate of barium enema reduction in Trinidad. Factors relating to successful or failed reduction attempts are explored.
- 540 Outcomes of Long Bone Fractures Treated by Open Intramedullary Nailing at the St Ann’s Bay Hospital, Jamaica**
D Barnes, D McDowell
Open intramedullary nailing of long bone fractures using the Küntscher nail is a reliable and time-honoured technique used at this centre with good to excellent results.
- 545 The Prevalence of Supracondyloid Process in the Living: A Radiographic Study**
A Aydinlioglu, FN Gumrukcuoglu, N Koyun
The present study investigated the supracondyloid process, from direct radiograms, which has been of special interest to anatomists, anthropologists and clinicians. The process was found in 1% of persons. There was high bilateral occurrence of the process.
- 549 Factors Associated with Incomplete Childhood Immunization among Residents in St Mary, Jamaica**
F Shuaib, D Kimbrough, M Roofe, G McGwin, P Jolly
This case-control study showed that participants with less than secondary school education were more likely to be non-compliant and participants who were aware of legislation against non-compliance with immunization were less likely to fail to immunize their children.
- 555 Hypoglycaemic Complication of Diabetes Mellitus Management: the Predominant Adverse drug Reaction Presenting to the Accident and Emergency Department of the University Hospital of the West Indies**
M Gossell-Williams, J Williams-Johnson, L Francis
Drug-induced hypoglycaemia among patients with diabetes mellitus accounted for 56.3% of the adverse drug reactions cases and most of the patients had co-morbidities and were on multi-drug therapy.
- 561 Drug Utilization Patterns in Pregnant Women: A Case Study at the Mount Hope Women’s Hospital in Trinidad, West Indies**
LM Pinto Pereira, BS Nayak, H Abdul-Lateef, V Matmungal, K Mendes, S Persad, G Ramnath, I Bekele, S Ramsewak
The study was conducted to explore drug utilization in pregnant women attending a tertiary healthcare institution. It was a cross-sectional study in 506 women. There were 200 (39.5%) primigravidae, 306 (60.5%) multigravidae and 59.1% (299) of women were in the third trimester. More women with higher educational level take over-the-counter paracetamol, iron/folic acid and vitamin supplements while herbal supplements are rarely used.
- 567 DENTAL FORUM**
Dental Anxiety in a Sample of West Indian Adults
RS Naidu, S Lalwah
This paper describes data from the Modified Dental Anxiety Scale used among adults in Trinidad. High anxiety levels were reported for injections and having an extraction.

573 Caries Prevalence and Experience of 12-Year old Children in Montserrat

CE Fergus

This study aimed to find out the decayed, missing and filled teeth of 12-year old children in the British overseas Territory of Montserrat. No study had been carried out before. Additionally, the oral-health-related quality of life of the children was measured using a questionnaire

578 CASE REPORT

Iatrogenic Tracheal Tear

A Dias, P O'Neill, J Fenton

VIEWPOINT

581 Climate and Suitable Clothing

R Tamas

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Atypical Presentation of Pulmonary Embolism Role of Arterial-pulmonary Oxygen Difference

HH Hanoman, A Maccum

584 Legionnaires Disease in Japan

Y Fujita, K Inoue

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