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Laparoscopic Cholecystectomy Using Standard Instruments through a Single Umbilical Incision: Feasibility in Jamaica

SO Cawich, M Albert, SK Mohanty

ORIGINAL ARTICLES

3 Hydrogen/Hydride Ion Relay – A Mechanism for Early Electron Transfer in Cytochrome c Oxidases

T Alleyne, D Ashe

Cytochrome c oxidase (COX) employs electrons obtained from cytochrome c to reduce oxygen to water. Recently, we proposed that electrons travel from cytochrome c to CuA of COX, by a hydrogen/hydride ion relay. Now, on the basis of a similar computer study, we conclude that this hydride/hydrogen ion mechanism is common to other oxidases.

12 Comparison of Techniques of Detecting Immunoglobulin-binding Protein Reactivity to Immunoglobulin Produced by Different Avian and Mammalian Species

AA Justiz-Vaillant, PE Akpaka, N McFarlane-Anderson, MF Smikle

Several immunological assays can be used to investigate the reactivity of immunoglobulin binding protein (IBP) to immunoglobulins from various avian and mammalian species. The results of these assays suggest that IBP can be used for the detection of immunoglob-

ulin and this is important for the diagnosis of infectious diseases in animal and bird populations and in the purification of immunoglobulins.

21 Cancer in Adolescents and Young Adults, Kingston and St Andrew, Jamaica, 1988–2007

TN Gibson, B Hanchard, N Waugh, D McNaughton

The burden of malignancy in adolescents and young adults in Jamaica is greater in females. In both genders, increasing age is accompanied by increased incidence rates and a progressive shift from non-epithelial to epithelial malignancies. This shift occurs earlier in females.

28 Clinical Evaluation with Self-sequential Longitudinal Reference Intervals: Pregnancy Outcome and Neonatal Thyroid Stimulating Hormone Level Associated with Maternal Thyroid Diseases

P Yuan, Q Wang, R Huang, F Cao, Z Zhu, D Sun, H Zhou, B Yu

The thyroid function of 1744 pregnant women was clinically evaluated with a new self-sequential longitudinal reference interval (SLRI) which we established. Thyroid disorders were common in pregnant women and the disorders were associated with pregnancy and fetal outcome. Routine maternal thyroid function screening is important and should be recommended.

(Continued on inside front cover)

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C Chin-See*The average annual perinatal autopsy rate at the University Hospital of the West Indies is 54%, well below the internationally recommended rate of 75%. Failure to request an autopsy is the most significant factor contributing to this.***39 Childhood Trauma and Dissociation in Patients with Obsessive Compulsive Disorder**

H Belli, C Ural, S Yesilyurt, MK Vardar, M Akbudak, F Oncu

*The present study attempted to assess childhood trauma events and dissociative symptoms in patients with obsessive-compulsive disorder. We detected that patients with this disorder had high levels of dissociation symptoms and the level of dissociation was correlated with the severity of obsessive compulsive symptoms.***45 A Five-year Retrospective Review of Infants with Erb-Duchenne's Palsy at a Teaching Hospital in North Trinidad**

A Jaggat, M Mencia, T Ali, V Stewart

*The incidence of Erb-Duchenne's Palsy at a teaching hospital in North Trinidad is 0.94/1000 live births. Known associations in this study are shoulder dystocia and fetal macrosomia***48 Collaboration and Research as Key Elements for Strengthening Blood Donation in Developing Nations: The Case of Grenada, West Indies**

A Gomez, LL Messam, L Toner

*This study used collaboration and research as the means to explore ways to increase the number of voluntary blood donors among college students and as the vehicle to educate students, raise their awareness, and address blood shortages in developing countries.***56 Intravaginal Cleansing among Women Attending a Sexually Transmitted Infection Clinic in Kingston, Jamaica**M Carter, M Gallo, C Anderson, MC Snead, J Wiener, A Bailey,
E Costenbader, J Legardy-Williams, T Hylton-Kong*Continued on Inside Back Cover***BUSINESS INFORMATION****Copyright:** Material printed in the Journal is covered by copyright and may not be reproduced in whole or in part without the written permission of the Editor. Single photocopies may be made by individuals without obtaining prior permission.**Microform:** The Journal is available in microform from Bell and Howell Information and Learning.**Abstracting and Indexing:** The Journal is currently included in major abstracting and indexing services.**Correspondence** should be addressed to:**THE EDITOR-IN-CHIEF, MAILING ADDRESS: West Indian Medical Journal, Faculty of Medical Sciences, The University of the West Indies, Kingston 7, Jamaica****Webpage:** <http://myspot.mona.uwi.edu/fms/wimj/>, www.scielo.org**E-mail:** wimj@uwimona.edu.jm**Telephone:** (876) 927-1214 **Fax:** (876) 927-1846**ANNUAL SUBSCRIPTION:** Overseas US\$175.00

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Continued from inside front cover

Intravaginal cleansing is associated with poor health outcomes. Based on female sexually transmitted infection clinic patients in Jamaica, this study found that intravaginal cleansing was common, performed to promote general hygiene, and positively associated with having more than one sexual partner.

DENTAL FORUM

62 Activity of Platelet Activating Factor Acetylhydrolase Following Phase I Periodontal Therapy

GC Keles, BO Cetinkaya, F Pamuk, U Balli

Platelet activating factor acetylhydrolase (PAF-AH) is detectable in gingival crevicular fluid by enzyme-linked immunosorbent assay (ELISA) and showed a continuous decrease following phase I periodontal therapy. Changes in the PAF-AH activity would be a progressive marker of periodontal healing to evaluate the success of periodontal therapies.

68 Frequency of Tooth Brushing and Associated Factors in Mexican Schoolchildren Six to Nine Years of Age

JF Casanova-Rosado, AA Vallejos-Sánchez, M Minaya-Sánchez, CE Medina-Solís, R De La Rosa-Santillana, M De L Márques-Corona, G Maupomé

Tooth brushing is an effective tool to mechanically remove plaque. This study determines the tooth brushing frequency (at least once a day) in Mexican schoolchildren. The author observed that maternal characteristics are associated with the oral health behaviour of their children.

73 Oral Health Status and Treatment Needs of Iruligas at Ramanagara District, Karnataka, India

S Kadanakuppe, PK Bhat

The 'Iruliga' tribal community residing at Ramanagara District, Karnataka, India is the jungle tribe of the plains. No studies are available on their oral health status.

Hence this pioneering study aims to assess the oral health status and treatment needs of the 'Iruliga' community, which is transiting from a hunter-gatherer lifestyle to a more modern lifestyle.

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