



# WEST INDIAN MEDICAL JOURNAL

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## EDITORIAL

- 785 The Economic and Medical Costs of Alcohol Consumption in Japan**  
H Kanda, T Okamura

## ORIGINAL ARTICLES

- 787 Chemokine Receptor 7 Implications of Spleen Dendritic Cells in Multiple-organ Dysfunction Syndrome in Mice**  
G Hou, J Lu, H Wang, Q Liu, G Tian, Y Yang  
*Chemokine receptor 7 can be used to evaluate the migration and functional activity of dendritic cells in multiple-organ dysfunction syndrome.*
- 793 The Changes of Muscle FGF-6 Expression at Different Time Points after Exercise-induced Muscle Damage**  
X Yu, Q Zuo, W Chao, R Jiang  
*FGF-6, accumulated almost exclusively in the myogenic lineage, possesses important functions in myogenesis. The changes of FGF-6 expression in the regeneration and repair process after exercise-induced muscle damage indicate that FGF-6 is closely related to skeletal muscle regeneration and repair.*
- 799 Study on Vascular Endothelial Growth Factor and Its Receptor in the Vitreous of Diabetic Rats**  
Y Zhang, D Song, G Zhang  
*The changes of vascular endothelial growth factor (VEGF) and kinase insert domain-containing receptor*

*(KDR) levels in the vitreous of diabetic rats were related to the early retinopathy induced by diabetes.*

- 803 Role of Interleukin-6, Gamma Interferon and Adenosine Deaminase Markers in Management of Pleural Effusion Patients**  
MAM Marie, J John, L Gowda Krishnappa, S Gopalkrishnan, SR Bindurani, P CS  
*Interleukin-6, gamma interferon and adenosine deaminase were investigated as diagnostic tools in pleural effusion. The results suggest that there is a remarkable difference in production of these three markers in exudative pleural effusions as compared to transudative pleural effusions. However, diagnosis based on culture would be still the gold standard.*
- 808 Diagnostic Accuracy of Spot and Timed Measurements of Urinary Albumin Concentration to Determine Microalbuminuria in Sickle Cell Disease**  
MR Asnani, ME Reid  
*We report that in sickle cell disease, both spot and two-hour timed urine collections for measurements of albumin concentration or albumin:creatinine ratios are good proxy measures of total 24-hour albumin excretion. These much simpler, and likely more cost-effective methods can be applied in clinical practice with confidence.*

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### 817 Observer Variability in Sonographic Measurement of Kidney Sizes among Children in Benin City, Nigeria

CU Eze, CU Eze, TT Marchie, CC Ohagwu, K Ochie

*In this prospective cross-sectional study, ultrasonography was used to repeatedly measure kidney sizes by different observers in order to determine the level of inconsistency within and between replicate measurements of kidney size by a single and different observers. Replicate sonographic measurements by a single observer are more consistent, and therefore, more reliable than replicate measurements by different observers.*

### 825 The Prevalence of Sexual Dysfunction among Patients with End Stage Renal Disease in Jamaica

KK Hoe, AK Soyibo, K James, EN Barton

*The prevalence of sexual dysfunctions among patients with end stage renal disease in Jamaica is considerably high for both males and females.*

### 831 Comparison of Ultrasonographic Estimated Fetal Weight and Actual Birthweight Performed by Residents in Training at the University Hospital of the West Indies

D Simms-Stewart, T Hunter, H Fletcher, V DaCosta, C Walters, M Reid

*There is good correlation between residents' ultrasonographic estimation and actual birthweight at the University Hospital of the West Indies. The difference in correlation between senior and junior residents was insignificant.*

### 835 Hypothalamic-pituitary-ovarian Axis in Thyroid Dysfunction

AF Ajayi, RE Akhigbe, LO Ajayi

*Findings from this study suggest that impairment of reproductive function associated with thyroid dysfunction is related to derangement of hormonal milieu and alteration in reproductive organs cytoarchitecture. Luteinizing hormone and oestradiol are implicated.*

### 839 Second Transurethral Resection of Bladder Tumour for the Treatment of Muscle-invasive Bladder Tumours

J Zhang, JJ Yang, XA Cai

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*A second transurethral resection of bladder tumour (TURBT) is suitable for muscle-invasive bladder cancer when bladder preservation is planned and it prolongs survival time and improves the quality of patients' life.*

**844 Evaluation of Incidental Thyroid Cancer in Patients with Thyroidectomy**

V Taşova, B Kilicoglu, S Tuncal, E Uysal, MZ Sabuncuoglu, Y Tanrikulu, A Aydogan, AK Onalan, S Dinc, MA Akkus

*Thyroidectomy is preferable for the treatment of benign thyroid diseases due to the high prevalence of incidental thyroid cancer after thyroidectomy in such cases.*

**CASE REPORTS**

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