

# Chang Gung Medical Journal

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### REVIEW ARTICLE

- 517 Myotonic Dystrophies**  
Chin-Chang Huang, MD; Hung-Chou Kuo, MD
- In Taiwan, the prevalence of dystrophia myotonica type 1 (DM1) is much lower than in Western countries. The central nervous system (CNS) symptomatology is correlated mainly with the white matter lesions (WML) in the brain viewed through magnetic resonance images (MRI), but the CNS manifestations seem unrelated to the numbers of cytosine-thymine-guanine (CTG) triplet repeats in the leukocytes. The inverse correlation between age at onset and CTG repeat length is significant only in patients with small expansions of 100-250 triplet repeats. In congenital DM1, individual variability of muscle differentiation does occur, in spite of the same number of CTG repeats in the leukocytes.

### FORUM

- 527 Tourette Syndrome: Not Just a Tic Disorder**  
Huei-Shyong Wang, MD
- Tic, the hallmark of Tourette syndrome, may not be the first presenting or the only symptom. Irritability, frustration intolerance, hyperactivity, inattention, ritual behavior or other difficulties may have been present years before the appearance of tics. Children with Tourette syndrome are highly co-morbid with attention deficit-hyperactivity disorder, obsessive compulsive symptoms, and other behavior problems that must be detected and treated well.

### ORIGINAL ARTICLES

- 530 Lectinochemical Studies on the Binding Properties of a Toxic Lectin (Ricin) Isolated from the Seeds of *Ricinus communis***  
Albert M. Wu, PhD; June H. Wu, PhD; Tanuja Singh, PhD; Pei-Yi Hwang; Ming-Sung Tsai, PhD; Anthony Herp, PhD
- In the present study, the fine specificity of ricin was defined. From the present results, it is concluded that: (a) this toxin has a broad range of affinity for the  $\beta$ -anomer of Gal; (b) its combining site is probably of a shallow groove type and as large as a trisaccharide; (c) Gal $\beta$ - is the major combining site of the lectin; and (d) hydrophobic interaction gives a significant contribution for binding.
- 543 Aggressive Multimodality Treatment for Intra-Hepatic Recurrence of Hepatocellular Carcinoma following Hepatic Resection**  
Kun-Ming Chan, MD; Wei-Chen Lee, MD; Chien-Fu Hung, MD; Ming-Chin Yu, MD; Yi-Yin Jan, MD, FACS; Miin-Fu Chen, MD, FACS
- Hepatocellular carcinoma is a relatively common malignant tumor, which is life-threatening with a dismal prognosis. The main cause of the dismal outcome is the high incidence of postoperative intra-hepatic recurrence. In this study, we gathered data of surgical treatment for hepatocellular carcinoma from Chang Gung Memorial Hospital (Taoyuan, Taiwan), which showed that aggressive approach using multimodality treatments extended the survival for patients with recurrent postoperative intra-hepatic hepatocellular carcinoma.
- 551 Features of Developmental Functions and Autistic Profiles in Children with Fragile X Syndrome**  
Jyh-Yuh Ke, MD; Chia-Ling Chen, MD, PhD; Ying-Jing Chen, MD; Chia-Hui Chen, MD; Li-Fang Lee, MD; Tung-Mao Chiang, MD
- The aim of this study was to investigate the developmental functions and autistic profiles in children with

Fragile X syndrome (FXS) and establish the relationships between developmental and autistic profiles. We used the Chinese Child Development Inventory and Childhood Autism Rating Scale to evaluate the developmental functions and autistic profiles in 12 children with FXS and 15 children with autism. The children with FXS had the worst expressive language function. Almost all developmental functions in the children with FXS were better than those with autism. CARS total scores were negatively correlated with almost all of the developmental functions. There were highly positive relationships among language, social comprehension, and personal social functions.

**559 Informational Needs, Health Locus of Control and Uncertainty among Women Hospitalized with Gynecological Diseases**

Nai-Ying Ko, RN, PhD; Su-Ting Hsu, MD, ScD

The present study applied the Uncertainty in Illness Theory to test the relationships of uncertainty with informational needs and the health locus of control among women with gynecological diseases. Informational needs moderated by interactions of chance control, years of education, and number of treatments explained 30% of the variance of uncertainty among hospitalized women. A past history of gynecological disease and years of education explained 10% of the variance of informational needs. The study findings suggest that healthcare professionals should carefully assess uncertainty levels among patients with lower education and those who believe that their health outcomes are controlled by chance.

**567 The Effects of Continuous Axillary Brachial Plexus Block with Ropivacaine Infusion on Skin Temperature and Survival of Crushed Fingers after Microsurgical Replantation**

Han-Hsiang Su, MD; Ping-Wing Lui, MD, PhD; Chi-Lun Yu, MD; Chin-San Liew, MD; Chih-Hung Lin, MD; Yu-Te Lin, MD; Chia-Hung Chang, MD; Min-Wen Yang, MD

Under general anesthesia, 18 patients who received replantation or toe-to-hand transplantation of their crushed digits were enrolled in this study. Our result demonstrated that axillary brachial plexus block with continuous infusion of 0.75% ropivacaine can increase the skin temperature of the reconstructive digits for the first 24 h after microvascular surgery. Survival of the graft was good in both groups.

## CASE REPORTS

**575 Chorioretinal Folds Associated with a Meningioma**

Ling Yeung, MD; Chi-Chun Lai, MD; Tun-Lu Chen, MD; Wei-Chi Wu, MD, PHD

A 39-year-old female patient had a meningioma with chorioretinal folds as its initial presentation. The differential diagnosis of chorioretinal folds is reviewed. Ophthalmologists should carefully evaluate these patients step by step.

**581 Serial Follow-Up in Traumatic Optic Neuropathy Using Scanning Laser Polarimetry and Visual Field Testing**

Ming-Tse Kuo, MD; Ing-Chou Lai, MD; Mei-Ching Teng, MD

Scanning laser polarimetry detected retinal nerve fiber layer (RNFL) loss and that good correspondence between the pattern of visual field loss and the pattern of RNFL loss can be found in a case of incomplete traumatic optic nerve injury; visual field defects may be present earlier than RNFL loss. Scanning laser polarimetry for evaluating the severity of traumatic optic neuropathy was limited in this case especially within 2 weeks after the trauma.

**587 Meigs' Syndrome in a Young Woman with a Normal Serum CA-125 Level**

Chii-Shinn Shiau, MD; Ming-Yang Chang, MD; Ching-Chang Hsieh, MD; T'sang-T'ang Hsieh, MD; Chi-Hsin Chiang, MD

The association of an elevated serum CA-125 level and Meigs' syndrome has previously been reported by many authors. We report a case of a young female with Meigs' syndrome and a normal serum CA-125 level, and discuss the possible explanation for the elevated serum CA-125 levels in the other cases.

**592 INSTRUCTIONS TO AUTHORS**

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