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REVIEW ARTICLE

- 543** **Craniofacial Fibrous Dysplasia: An Update**
Yu-Ray Chen, MD; Cheng-Nen Chang, MD; Ying-Chien Tan, MBBS, MRCS (Edin), MMed (Surgery)
Craniofacial fibrous dysplasia is a benign bone tumor that is potentially capable of causing significant cosmetic and functional disturbance. Its compression of the optic nerve with resulting visual impairment is especially alarming. Over the years, we have gained a better understanding of its etiology, clinical behavior, and both surgical and non-surgical treatments. Its characteristics, under various imaging modalities, have been thoroughly described in recent years. We discuss the advances in diagnosis and treatment, as well as controversies, especially with regards to the role of prophylactic optic nerve decompression in cases of optic canal involvement, which has recently been challenged.

FORUM

- 550** **Concurrent Chemotherapy for Cervical Cancer Patients Primarily Treated with Radiotherapy: Is It Necessary for All?**
Ji-Hong Hong, MD, PhD
Concurrent cisplatin-based chemotherapy has been recommended for women with cervical cancer primarily treated with radiotherapy (RT). This review presents our rationales and suggestions for the selection of cervical cancer patients who should receive different forms of CCRT or RT alone. The intensity of CCRT for cervical cancer should vary between patients based on their individual risk for local and distant relapse.

ORIGINAL ARTICLES

- 555** **Effect of Insulin on the Expression of Intraocular Vascular Endothelial Growth Factor in Diabetic Rats**
Hsi-Kung Kuo, MD; Pei-Chang Wu, MD; Chien-Neng Kuo, MD; Yi-Hao Chen, MD
Diabetic rats were sacrificed 4 months after diabetes induction. The concentration of intraocular VEGF was 99.60 ± 31.37 pg/ml in the poorly controlled diabetic group, 79.05 ± 21.50 pg/ml in the insulin controlled group and 58.07 ± 6.49 pg/ml in the healthy group. There were statistical differences between groups (ANOVA, $p < 0.001$). The mean difference between the poorly controlled diabetic group and the insulin controlled group was 20.55 ± 9.61 pg/ml ($p = 0.041$). The concentrations of VEGF of the two diabetic rat groups were higher than that of the healthy rat group. Insulin control reduced the rise of VEGF.
- 561** **Dietary Probucol Preserves Endothelium-dependent Relaxation of Arteriovenous Fistula in Hypercholesterolemic Rabbits**
Yao-Chang Wang, MD; Feng-Chun Tsai, MD; Yen Chu, DVM, PhD; Cih-Yi Yan; Yu-Han Deng; Pyng Jing Lin, MD
Twenty rabbits fed with 2% cholesterol chow underwent AVF. They were divided into two groups: continuing with 2% cholesterol chow (group I); 1% probucol supplement (group II). Another 10 fed regular chow were controls (group III). Intimal hyperplasia ratio was 48% in group I, 34% in group II and 24% in group III. Maximal endothelium-dependent relaxation (EDR) response in group II was greater than that in group I and not different from that in group III. There was no similar difference of denuded arterial rings among the three groups. Probucol supplement under hyperlipidemia status preserves EDR and not endothelium-independent relaxation.

- 568 Survey of Asthmatic Patients' Sensitization to House Dust Mites in Southwestern Taiwan**
Chin-Kuo Lin, MD; Ming-Szu Hung, MD; Cheng-Pei Fang, RRT; Tzu-Yi Shen, MD;
Shih-Hsin Hsiao, MD; Tung-Jung Huang, MD, PhD; Cheng-Ta Yang, MD
We retrospectively reviewed the medical records of asthmatic patients treated at the Chiayi branch of Chang Gung Memorial Hospital to investigate the percentage of sensitization to house dust mites (HDM) and other indoor allergens in southwestern Taiwan. The percentage of sensitization to HDM was only 45.9%, significantly lower than in the metropolis of Taipei city. This discrepancy might be attributed to the larger proportion of aged patients who had a lower frequency of sensitization to HDM.
- 576 Comparison of Patient-controlled Epidural Analgesia and Continuous Epidural Infusion for Labor Analgesia**
Sheng-Huan Chen, MD; Shiue-Chin Liou, MD; Chao-Tsen Hung, MD; Ming-Hung Shih, MD;
Chit Chen, MD; Shih-Chang Tsai, MD; Chi-Hao Tseng, MD; Shu-Yam Wong, MD
We surveyed the data from 179 consecutive patients who received PCEA or CEI for labor analgesia. Each patient received 0.08% ropivacaine with 2 µg/mL fentanyl anesthetic mixture. Compared with CEI, PCEA reduced the need of anesthesiologists' intervention for inadequate analgesia or other complications. For labor analgesia, PCEA was shown to be an attractive alternative to conventional CEI and provided effective analgesia and reduced the amount of manpower needed.
- 583 Comparison Optimal Pressure between Automatic Titrating and Predicting Continuous Positive Airway Pressure**
Chung-Chieh Yu, MD; Chung-Ching Hua, MD; Jo-Chi Tseng, MD; Yu-Chi Liu, MD, PhD
The purpose of our study was to compare the pressure differences and investigate the factors between automatic continuous positive airway pressure titrating pressure levels (ACPAPLs) and predicting continuous positive airway pressure levels (PCPAPLs). The mean ACPAPL were significantly higher than the mean PCPAPL. The pressure differences between ACPAPLs and PCPAPLs were wide. The leak values had significant correlation with ACPAPLs.
- 590 Extrapulmonary Small Cell Carcinoma- A Medical Center's Experience**
Tai-Lin Huang, MD; Cheng-Hua Huang, MD; Yeh Tang, MD; Kun-Ming Rau, MD;
Yen-Yang Chen, MD
The purpose of this study was to review the biologic behavior, therapy and natural course of patients with extrapulmonary small cell carcinoma (EPSCC) in a medical center. In 20 patients with EPSCC, the limited disease (LD) and extensive disease (ED) was 12 patients (60%) and eight patients (40%), respectively. The median overall survival (OS) of the patients with LD and ED was 22 months and 3 months. Patients with EPSCC of sites other than the head and neck region was usually had poor overall outcomes.
- 596 The Prevalence of Urinary Incontinence and Associated Risk Factors in Taiwanese Women with Lower Urinary Tract Symptoms**
Ling-Hong Tseng, MD; Ching-Chung Liang, MD; Han-Po Lo, MD; Tsia-Shu Lo, MD;
Shu-Jane Lee, RN; Alex C Wang, MD
The distributions of UDS-defined prevalence were inconsistent with other reports. Our study indicated several specific risk factors contributed to the development of urinary incontinence and parity had the greatest impact on all types of urinary incontinence. Of interest, our data also indicated 25% of patients were diagnosed with voiding dysfunction.

CASE REPORTS

- 603 Successful Removal of a Ruptured Silastic Percutaneous Central Venous Catheter in a Tiny Premature Infant**
Ming-Chou Chiang, MD; Yi-Hung Chou, MD; Chiao-Ching Chiang, NP; Hung-Tao Chung, MD;
Wen-Jen Su, MD
Spontaneous rupture of a Silastic PCVC is a rare occurrence. We describe our experience of managing a 28-

week, 980 g, preterm infant with embolization of the catheter and discuss the possible mechanisms of embolization. Clinicians should be aware of this rare complication and that an embolized fragment can be safely removed, even in a tiny premature infant.

607 Extensive Sensory Block Caused by Accidental Subdural Catheterization during Epidural Labor Analgesia

Sheng-Huan Chen, MD; Ho-Yen Chiueh, MD; Chao-Tsen Hung, MD; Shih-Chang Tsai, MD; Shu-Yam Wong, MD

Accidental subdural injection is a rare complication during performance of an epidural block and not every practitioner is familiar with the clinical presentation. We report a case of unexpected high spinal block after subdural catheterization, which was confirmed by radiologic contrast medium study.

612 Hemichorea as a Presentation of Acute Rheumatic Fever

Wan-Shan Lin, MD; Wen-Jen Su, MD, FACC; Kuang-Lin Lin, MD; Jing-Long Huang, MD; Huei-Shyong Wang, MD

The incidence of Sydenham's chorea has declined in recent years in concert with the decline in rheumatic fever. Sydenham's chorea is usually bilateral and female predominant. Hemichorea is rare. We report on a 10-year-old boy who presented with progressive right side involuntary movements and was diagnosed with acute rheumatic fever and hemichorea.

617 Concomitant Blunt Splenic and Hepatic Injuries with Simultaneous Contrast Pooling Managed with Angiographic Embolization

Yu-Pao Hsu, MD; Jen-Feng Fang, MD; Being-Chuan Lin, MD

Non-operative management is the standard of care for blunt abdominal solid organ injury. Here, we present a 65 year-old woman with concomitant blunt hepatic and splenic injuries with simultaneous contrast pooling on imaging. The patient survived after angiographic embolization.

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