

# Chang Gung Medical Journal

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### REVIEW ARTICLES

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 Yu-Fan Cheng, MD; Hock-Liew Eng, MD  
 Living donor liver transplantation is a good surgical option for biliary atresia patients with end-stage liver disease. It has yielded excellent long-term recipient outcome and low donor morbidity.
- 109 Leptospirosis in Taiwan - An Underestimated Infectious Disease**  
 Chih-Wei Yang, MD  
 Leptospirosis has been increasingly recognized as an important infectious disease in Taiwan. The most common presentations are fever, jaundice and acute renal failure. Penicillin treatment is effective and may dramatically save patients from multiple organ failure provided it is given early. The rapid IgM assay may aid screening of leptospirosis. Leptospirosis, which affects at least about 10% of patients with multiple organ dysfunction, appears to be underestimated in Taiwan. A high level of clinical suspicion can help identify leptospirosis.

### ORIGINAL ARTICLES

- 116 Osteoradionecrosis of External Auditory Canal in Nasopharyngeal Carcinoma**  
 Sheng-Po Hao, MD, FACS, FICS; Ngan-Ming Tsang, MD, DSc; Kai-Ping Chang, MD;  
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 We report on nine patients with external auditory canal osteoradionecrosis. Presenting symptoms included otorrhea, otalgia, crust, foul odor, hearing impairment and retro auricular discharging fistula, all of which mimic the symptoms of chronic otitis media and were also difficult to differentiate from malignancy. Osteoradionecrosis of the external auditory canal is prone to occur in patients who wear hearing aids or have had previous otological surgery. External auditory canal osteoradionecrosis may progress to disastrous complications and should never be neglected by clinicians.
- 122 Management of Biliary Atresia: Experience in a Single Institute**  
 Mao-Meng Tiao, MD; Jiin-Haur Chuang, MD; Li-Tung Huang, MD; Chih-Sung Hsieh, MD;  
 Shin-Yi Lee, MD; Chi-Di Liang, MD; Chao-Long Chen, MD  
 Ninety-three patients with biliary atresia (BA) have received Kasai portoenterostomy (KP) in this hospital in the past 20 years. Jaundice-free survival with native liver was accomplished in 29 of 60 patients receiving KP before 60 days of age but in only 9 of 33 after that age ( $p = 0.048$ ). Post-KP cholangitis and liver cysts were not determinant factors of BA outcome.
- 128 Comparison of the Effects of Swimming and Tai Chi Chuan on Body Fat Composition in Elderly People**  
 Tung-Yang Yu, MD; Yu-Cheng Pei, MD; Yiu-Chung Lau, MD; Chih-Kuang Chen, MD;  
 Hung-Chih Hsu, MD; Alice M.K. Wong, MD

Accumulation of fat and substantial loss of muscle mass are common phenomena in the elderly. In this study we observed the effects of Tai Chi Chuan (TCC) and swimming, two exercises suitable for elderly people, on the percentage body fat and fat distribution by measuring subcutaneous adipose tissue thickness and body composition. In our observation, swimming and TCC may not decrease the total fat adiposity in elderly men and women, but they may change body fat distribution due to certain muscle group usage. The differences observed in the effects of exercise on body fat distribution between elderly women and men may be gender-related.

**135      Detection of Subacromial Bursa Thickening by Sonography in Shoulder Impingement Syndrome**

Yao-Hung Tsai, MD; Tsung-Jen Huang, MD; Wei-Hsiu Hsu, MD; Kuo-Chin Huang, MD; Yen-Yao Li, MD; Kuo-Ti Peng, MD; Robert Wen-Wei Hsu, MD

The purpose of this study was to verify whether ultrasound could screen partial thickness tear (Neer stage II impingement) by measuring subacromial bursa thickness. Increase of the bursa thickness in the symptomatic shoulder may be an alternative sonographic indicator of subacromial bursitis and rotator cuff lesions. However, sonographic examination of subacromial bursa thickness is not an appropriate technique to diagnose a partial thickness tear of the rotator cuff. Bilateral examination should be done and particular attention should be paid to the hypoechogenic appearance of the rotator cuffs and the thickness of the subacromial bursa in patients with unilateral impingement syndrome.

**142      ICU Discharge APACHE II Scores Help to Predict Post-ICU Death**

Yung-Che Chen, MD; Meng-Chih Lin, MD; Yu-Chin Lin, MD; Hsueh-Wen Chang, PhD; Chuang-Chi Huang, MD; Ying-Huang Tsai, MD

A total of 203 patients were discharged from the ICU to the general wards, and 39 (19.2%) of the 203 patients discharged from the ICU subsequently died at the hospital. Logistic regression analysis identified two independent risk factors for post-ICU mortality rate: discharge APACHE II scores (Odds Ratio 1.17, 95% CI 1.10-1.25,  $p < 0.0001$ ) and male gender (OR 3.24, 95% CI 1.26-8.33,  $p = 0.015$ ). Patients discharged from the ICU with discharge APACHE II scores of 17 or greater had the mortality rate of 37.3% compared with only 9.4% for those with discharge APACHE II scores of less than 17.

**151      Simultaneous Bilateral Cataract Surgery in General Anesthesia Patients**

Tien-En Huang, MD; Hsi-Kung Kuo, MD; Sue-Ann Lin, MD; Po-Chiung Fang, MD; Pei-Chang Wu, MD; Yi-Hao Chen, MD; Yung-Jen Chen, MD

The aim of this study was to evaluate the indications, safety, benefits, disadvantages and visual outcomes of simultaneous bilateral cataract surgery (SBCS) in general anesthesia from June 1998 through June 2005 at Kaohsiung Chang Gung Memorial Hospital, Taiwan. Because of the benefits of SBCS in general anesthesia could be greater than the risk, Gung Memorial SBCS could be a good choice when cataract surgery has to be performed under general anesthesia.

**161      Does Intrapartum Epidural Analgesia Affect Nulliparous Labor and Postpartum Urinary Incontinence?**

Ching-Chung Liang, MD; Shu-Yam Wong, MD; Yao-Lung Chang, MD; Pei-Kwei Tsay, PhD; Shuenn-Dhy Chang, MD; Liang-Ming Lo, MD

Some physicians have long argued that epidural analgesia prolongs the first stage of labor, especially if it is administered during the latent phase. In addition, little has been reported about the effect of epidural analgesia on postpartum stress urinary incontinence (SUI). In this study, we compared various obstetric parameters and SUI at postpartum among patients who received and did not receive epidural analgesia, and among those having early and late epidural analgesia. Our results showed that epidural analgesia is associated with an increased risk of prolonged labor, and instrumental and cesarean delivery; it is not related to increased postpartum SUI.

## CASE REPORTS

### 168 **Free Radial Forearm Flap in an Adult with Hypospadias**

Chih-Cheng Luo, MD; Chen-Sheng Huang, MD; Jeng-Yee Lin, MD; Chi-Feng Huang, MD;  
Zung-Chung Chen, MD

A 22-year-old man presented with a scarred neophallus and complex hypospadias. The local penile skin was inadequate for urethral repair. A 16 cm free radial forearm flap was successfully used for urethral replacement.

### 172 **Lymphoepithelioma-Like Hepatocellular Carcinoma**

Chih-Jung Chen, MD; Long-Bin Jeng, MD; Shiu-Feng Huang, MD, PhD

We report a case of an lymphoepithelioma-like carcinoma (LELC) of the liver positive for the markers of hepatocellular carcinoma in a 56-year-old man with chronic hepatitis C virus (HCV) infection and cirrhosis. In the available literature, all three cases of LELC of the liver that were negative for Epstein-Barr (EBV) were positive for chronic hepatitis virus infection and associated with cirrhosis, suggesting a different carcinogenesis of EBV positive LELC of the liver.

### 178 **Right Ventricular Lead Ring Capture in Sequential Biventricular Pacing with Pseudo-bipolar Left Ventricular Lead Configuration: an Unwanted Effect**

Oruganti Sai Satish, MD, DM; Kuan-Hung Yeh, MD; Ming-Shien Wen, MD;  
Chun-Chieh Wang, MD

Right ventricular anode capture with simultaneous biventricular stimulation was noted at higher output during isolated left ventricular (LV) pacing mode in patients who underwent biventricular pacing (BVP) for severe heart failure when utilizing pseudo-bipolar LV lead configuration. Sometimes programming the LV pacing to unipolar configuration is necessary to resolve this problem. The implication of this phenomenon in sequential BVP therapy is discussed.

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