

# ACTA PAEDIATRICA TAIWANICA

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## 臺灣兒科醫學會雜誌

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## 第十二單元：急診學、重症學

日期：民國102年11月10日(星期日)

時間：11:10~11:50

地點：第二會場

主持人：吳求森、吳昌騰

- 11:10~11:17      70. 兒童急診橫紋肌溶解症之臨床分析  
陳俊佐<sup>1</sup>、楊文傑<sup>1</sup>、吳漢屏<sup>2</sup>  
財團法人彰化基督教醫院兒科部、小兒急診科<sup>1</sup>；財團法人佛教慈濟綜合醫院兒科部<sup>2</sup>
- 11:17~11:24      71. 兒童性侵害分析：一兒科急診10年經驗  
胡美華、吳昌騰、羅福松、黃璟隆  
林口長庚紀念醫院兒童內科部
- 11:24~11:31      72. 以操作型評量測驗年輕醫師急救新生兒的能力  
蔡淳娟、孫灼均<sup>1</sup>、尤登弘<sup>2</sup>、王義明<sup>3</sup>、張博智<sup>4</sup>  
義大醫院小兒部、醫教部<sup>1</sup>、內科部<sup>2</sup>、重症部<sup>3</sup>、外科部<sup>4</sup>
- 11:31~11:38      73. ECMO治療急性心肌炎  
彭義欽、莊子瑤、張正成、李秉純<sup>1</sup>
- 11:38~11:50      討論
- 11:50~12:00      休息

cases of CSA, 88 (96.7%) were females... The mean age was ranging... years (mean ± SD, 13.31± 3.66),... were age less than 10 years old... younger age patients showed a... underlying familiar place (home, school; p = 0.002), and familiar... The sequelae of psychiatric... anxiety, insomnia, school performance... were not difference between... older children had significantly... problem... victims had acute medical or... in our study; pediatric emergency... ability to recognize and ability to... In addition, family education, follow-up are important.

Performance Examination in Assessing Clinical Competency on Neonatal Resuscitation

醫師急救新生兒的能力

Chek-Kwan Sun<sup>1</sup>, Teng-hung Yu<sup>2</sup>,... Chang<sup>4</sup>  
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Internal Medicine<sup>2</sup>, Intensive Care<sup>3</sup>,  
Kaohsiung, Taiwan  
<sup>1</sup>、<sup>2</sup>、<sup>3</sup>、<sup>4</sup>  
<sup>1</sup>、內科部<sup>2</sup>、重症部<sup>3</sup>、外科部<sup>4</sup>

Learning objectives defined Taiwan... indicated, by the end of... must demonstrate the clinical... Life Supports, including neonatal... experience has been considered... only one month of Pediatrics rotation... over 2 months in the undergraduate... physicians' competency on neonatal... concerns. This study is to measure... performance on neonatal resuscitation by

OSCE station (one out of 12)... two-month old baby mannequin... toy. The examination asked the... foreign body, perform basic life... procedures accordingly. The rating... items in a three point scale, with... score of 30. The passing score was set... method. There were four raters... consistency and accuracy.

44 candidates, including 10... The scores ranged from 5 to 26... candidates (9%, 4/44) passed the... candidates (1~8/44) had perfect... of "removing foreign body".... that young physicians' clinical... resuscitation were deemed

inadequate. Enrichment program with hands-on practices on the neonatal life supports should be delivered.

73 Management of Fulminant Acute Myocarditis with ECMO

ECMO治療急性心肌炎

Yi-Chin Peng, Tzu-Yao Chuang, Jeng-Sheng Chang, Ping-Chun Li<sup>1</sup>

Children's Hospital, China Medical University & Hospitals, Division of Pediatric Cardiology, Division of Cardiovascular Surgery<sup>1</sup>

彭義欽、莊子瑤、張正成、李秉純<sup>1</sup>  
中國醫藥大學台中附設醫院兒童醫院小兒心臟科、心臟外科<sup>1</sup>

Background: The severity of acute myocarditis varies between subclinical to lethal. For fulminant myocarditis, the mortality rate can be as high as 75% when shock occurs. Extracorporeal membrane oxygenation (ECMO) support to revert this fulminant course has been introduced into the

management.

Methods: Fifteen such pediatric cases rescued with ECMO in our hospital over a 14-year period were reviewed.

Results: Femoral venoarterial cannulated ECMO was undertaken in eight patients but two patients changed to central cannulation due to inadequate support. Initial central cannulation was in nine patient with atrial septectomy. All patients had histories and clinical findings consistent with fulminant myocarditis. Median age was 12 years old (range 2 to 16 years). Median duration of ECMO support was 105 hours (range 48 to 170 hours). Ten patients survived, three of them complicated with deep vein thrombosis or peripheral neuropathy. The survivors showed normal cardiac function after follow-up periods of 0.5-8 years. The overall survival rate was 66%.

Conclusions: Early recognition and immediate establishment of an ECMO circuit are crucial to rescue a patient with fulminant myocarditis. Every effort to avoid the complications associated with ECMO should then be stressed. Central cannulation was more effective in our case review.