

## CYTOTOXIC EFFECTS OF LYMPHOCYTES AND SERA OF RHEUMATIC FEVER PATIENTS ON HEART CELLS

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Peripheral lymphocytes and sera from 26 patients suffered from rheumatic fever were tested against primary cultured human fetal myocardial cells and heart interstitial cells to observe their toxicity effects. The results showed: (1) the lymphocytes and sera from the rheumatic myocarditis patients had the cytotoxic effects on the myocardial cells and interstitial cells; (2) lymphocytes and sera from rheumatic arthritis patients and rheumatic heart disease patients without active rheumatic fever did not show any cytotoxic activities against the interstitial cells and myocardial cells. These results indicate that the cellular and humoral immunity might play an important role in the pathogenesis of rheumatic carditis.

**Key words** rheumatic fever; myocarditis; immune

• 新成果 •

### 直流电神经刺激器

课题负责 陈光晔

(孙逸仙纪念医院)

该研究仪器是专利产品,是根据人体神经电位差原理制成。外观如同钢笔大小,操作简便,易于消毒,为解剖和修复神经提供客观依据,避免或减少神经的损伤,适用于各手术科术中识别颅神经和周围神经,鉴别运动神经和感觉神经,验证神经的功能或神经吻合是否正确对位,刺激效应达100%。采用该仪器解剖识别颅神经和周围神经,尤其对面神经解剖可使病人免遭毁容,确保病人身心健康,有显著社会效益。该仪器与国外同类产品相比,更具有创造性和新颖性,达到国际领先水平,该成果由孙逸仙纪念医院口腔科陈光晔教授等人完成,1992年获广东省医药卫生科技进步二等奖。

(陈丽芳)