DOI:10.16016/j.1000-5404.1991.02.004

8. Burton CW, Joyce A, Ingold KU, et al. Is Vitamin E the only lipid-soluble, chain-breaking antioxidant in human blood plasma and erythrocyte membranes? Arch Biochem Biophys 1983; 221:281

(收稿: 1990.09.01; 修回: 1991.02.02)

Homogenous-fat-induced Dog Model of Respiratory Distress Syndrome

Wu Guoming, Guo Xianjian, and Mao Baoling (Department of Respiratory Diseases, Xinqiao Hospital, Third Military Medical College Chongqing 630037)

Abstract Homogenous fat extract was injected through the femoral vein to induce respiratory distress syndrome in 15 dogs. It was found that the changes of blood gases, chest x-ray films, and lung pathology of the dogs were similar to those of adult respiratory distress syndrome. The pathogenesis was extensive pulmonary fat embolism with complement activation and free radicals formation. Vitamin E was consumed during antiperoxidation. It is believed that this model serves better for the study of respiratory distress syndrome.

Key words fat; respiratory distress syndrome; complement; free radicals; vitamin E

小脑脓肿误诊结核性脑膜炎一例报告

吴中林* 郭先健 (新桥医院 呼吸科)

临床遇见1例小脑脓肿误诊为结核性脑膜炎患者，临床及脑脊液均酷似结核性脑膜炎，特报告如下：

王×，男，17岁，农民。因头痛呕吐2月余1982年3月2日入院。患者2月前因“感冒”剧烈头痛，呕吐1次为胃内容物，呈喷射状。夜间起床时摔倒，昏迷、小便失禁。送医院静脉滴注甘露醇等，第4天清醒。此后经常头痛，眩晕呕吐，1次～3次/日，偶呈喷射状。起病无发热盗汗及咳嗽等等症状。查体：神志清，精神萎糜。瞳孔正常。颈有抵抗，颏下三横指。心肺无异常发现。腹软，肝肋下3 cm质中无压痛，脾(-)。克氏征阳性，左侧巴氏征可疑。血象：Hb 127g/L，RBC437×10^{12}/L，WBC 19.1×10^{9}/L，N 0.98，L 0.11。脑脊液外观微混，压力3.72kPa，潘氏试验+，细胞数855/mm^{3}，多核0.81，淋巴0.19，糖3.61mmol/L，蛋白0.40g/L，氯化物128.35mmol/L，胸片显示右上肺纤维病灶，右肺门陈旧性钙化灶。脑电图基本节律为中幅8～9 C/S α波和中等量δ波，以前半球为主，左侧波率偏慢。提示中度异常EEG。头颅片指压纹增多，颅骨变薄，鞍背吸收。超声检查颅脑中线无偏位。颅脑核素检查无明显占位性病变。临床诊断为结核性脑膜炎。 (下转114页)

*空军榆中医院进修医师

?1994-2016 China Academic Journal Electronic Publishing House. All rights reserved. http://www.cnki.net

Effects of Prostaglandin E_1 on Plasma Lipid Peroxides Level in Patients with Severe Chronic Active Viral Hepatitis

He Changlun, Xiang Juzheng, Wu Like, et al (Department of Infectiou Diseases, Southwest Hospital, Third Military Medical College, Chongqing 630038)

Abstract Thirty-four patients with severe chronic active viral hepatitis were divided into 2 groups. One group was treated with prostaglandin E_1 (PGE_1) and supportive therapy, and the other was treated with supportive therapy only and served as the control. The effects of PGE_1 on plasma lipid peroxides (LPO) level, plasma prostacyclin (PGI_2) and thromboxane A_2 (TXA_2), plasma cyclic nucleotide and liver function were determined to investigate the mechanism of PGE_1. It was found that PGE_1 could achieve the following effects:

1. Reduction of plasma LPO level ($P<0.05$).
2. Reduction of plasma TXA_2 level and elevation of plasma PGI_2 level and PGI_2/TXA_2 ratio ($P<0.01$).
3. Increase of plasma cAMP/ cGMP ratio ($P<0.01$).
4. Improvement of liver function.

The results suggest that the functions of PGE_1 are anti-lipid peroxidation, improvement of hepatic microcirculation, and bile secretion, regulation of immune response, and promotion of hepatocyte regeneration.

Key words prostaglandin; chronic active viral hepatitis; lipid peroxides; nucleotide

---

（上接109页）

住院期间用抗痨、脱水及地塞米松治疗，病情反复较大，但始终以头痛呕吐及眩晕为主，无抽搐、偏瘫及神经定位体征。先后8次脑脊液检查，细胞数逐渐减少，颅压波动在39.2kPa～1.96kPa，其余基本正常，未查到抗酸杆菌及新型隐球菌。5月5日下午病情突然恶化，后颈部和前额部剧烈疼痛，未呕吐。静推高渗葡萄糖后暂时缓解，不久呼吸停止，双侧瞳孔缩小到0.1cm直径，对光反射消失。立即机械呼吸，紧急脑室穿刺测压为3.92kPa，持续引流减压等，自主呼吸未能恢复。18h后死亡。临床诊断结核性脑膜炎，死亡原因为脑疝形成。

头颅尸检：全脑重1350g。沟回变浅，脑膜有粘连。左侧小脑膨大，表面有灰白色絮状物。小脑扁桃体可见明显的疝切迹。脑干受压变形。左小脑半球切面为囊腔（4cm×3.5cm×3cm），内有灰黄色脓汁约50ml，腔壁厚0.15cm～1.8cm。镜检：脓腔壁由纤维肉芽组织构成，有大量细胞浸润和坏死物附着。周围小脑组织及脑膜充血，有少量细胞浸润。脑膜血管高度充血扩张。脑干亦见片状出血及神经细胞退变。病理解剖诊断：（1）左侧小脑半球慢性非特异性脓肿；（2）小脑扁桃体疝；（3）大脑脑干实质弥漫性充血水肿，小片状出血，神经细胞退行性变；（4）反应性轻度慢性脑膜炎。致死原因为小脑扁桃体疝。

讨　论

结核性脑膜炎目前仍常见，以发热头痛、呕吐及低氯、高蛋白中度细胞增多而可作临床诊断，抗痨治疗有效。本例误诊原因在于忽视了反复眩晕呕吐头痛等小脑症状。小脑脓肿多为耳源性的，但本例无中耳感染史可能为血源性，可有颅内压升高、头痛，颈项强直等，阵发性眩晕呕吐，因此在诊断结核性脑膜炎伴有上述症状时应屏除小脑脓肿[1][2]。

参 考 文 献

1. 戴自英，主编。实用内科学。第8版，北京：人民卫生出版社　1986：261
2. 潘孝琼。中枢神经系统的感染性疾病。见：徐肇玥主编。感染性疾病的诊断与治疗。上海：上海科技出版社，1984：58

（收稿：1990.08.13；修回：1990.12.25）

?1994-2016 China Academic Journal Electronic Publishing House. All rights reserved. http://www.cnki.net