

雷射针刺对血管性痴呆患者认知功能和血清基质金属蛋白酶-9的影响*

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摘要:目的 探讨雷射针刺治疗血管性痴呆(VD)的临床疗效。方法 192名VD患者随机分为三组,观察过程中,因脱落和剔除,实际观察病例雷射针刺治疗组61例,普通体针对照组62例,药物对照组60例,3个疗程后,观察其对VD患者认知功能和血清基质金属蛋白酶-9(MMP-9)的影响。结果 三组疗效比较,总有效率雷射针刺治疗组为66.13%,普通体针对照组为65.57%,药物对照组为56.67%,雷射针刺治疗组与药物对照组两组差异有统计学意义($P < 0.05$);治疗后雷射针刺治疗组和普通体针对照组的MMSE和ADL量表评分与药物对照组相比较改善更为明显($P < 0.05$);治疗后雷射针刺治疗组和普通体针对照组血清MMP-9与药物对照组比较,下降更为明显($P < 0.05$)。结论 雷射针刺治疗VD患者疗效确切,其治疗机理与降低血清MMP-9含量相关。

关键词:雷射针刺;血管性痴呆;基质金属蛋白酶-9

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Effect of Laser Acupuncture on Cognitive Function and Serum Matrix Metalloproteinase - 9 in Patients with Vascular Dementia

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Abstract Objective: To investigate the clinical effect of laser acupuncture in treating VD. Method: 192 VD patients were randomized into three groups, due to shedding and removal during the observation process, the actual observed cases were: 61 cases in the laser acupuncture treatment group, 62 cases in the common acupuncture control group and 60 cases in the drug control group. After 3 courses, the effect on patients' cognitive function and serum MMP-9 were observed. **Conclusion:** After comparison, the total effective rate of laser acupuncture treatment group was 66.13%, common acupuncture control group 65.57%, drug control group 56.67%, the difference between laser acupuncture treatment group and drug control group was statistically significant ($P < 0.05$). The scores of MMSE and ADL in laser acupuncture group and common acupuncture control group were significantly improved compared with that in the control group ($P < 0.05$) after the treatment. Compared with the drug control group, the serum MMP-9 level in the treatment group and the common acupuncture control group decreased more obviously ($P < 0.05$). **Conclusion:** Laser acupuncture is effective in the treatment of VD patients, and its mechanism of treatment is related to reducing the content of serum MMP-9.

Key words laser acupuncture, VD, Serum Matrix Metalloproteinase - 9

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