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血清AFP联合GP73在原发性肝癌的诊断中的意义

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摘要:

摘要: 目的 探讨甲胎蛋白(AFP)和高尔基体糖蛋白-73(GP73)在原发性肝癌患者和健康者血清中的水平及其诊断价值。方法 回顾性分析原发性肝癌患者的类型及可能的危险因素,采用电化学发光法及酶联免疫法(ELISA)分别对37例肝癌患者和38例健康体验者进行血清AFP及GP73的含量检测,分析AFP、GP73及AFP + GP73在肝癌诊断中的敏感性和特异性。结果 37例原发性肝癌患者中,34例(91.89%)为肝细胞癌,28例(75.68%)有病毒性肝炎病史。肝癌患者血清中AFP和GP73的含量分别为(418.31 ± 189.93) ng/ml和(252.03 ± 238.34) ng/ml,显著高于对照组的(16.28 ± 9.39) ng/ml和(34.03 ± 22.67) ng/ml,均 $P < 0.01$ 。AFP和GP73联合检测肝癌的敏感性及特异性可达86.49%和84.20%,与单项检测相比,可明显提高诊断的准确性。结论 血清中AFP及GP73含量是原发性肝癌发生、发展的重要检测指标,二者联合检测对肝癌患者诊断具有重要意义。

Abstract: Objective To investigate the expression of alpha-fetoprotein (AFP) and Golgi protein 73(GP73) in serum of patients with primary hepatic cancer (PHC) and healthy people, and analyze their clinical significance. Methods Retrospective analysis of classification and possible risk factors were performed in PHC patients. Serum AFP and GP73 levels of 37 PHC patients and 38 healthy people were detected by electrochemiluminescence and ELISA. The sensitivity and specificity of serum AFP, GP73 and AFP + GP73 in diagnosis of PHC were analyzed. Results In PHC patients, there were 91.89% (34/37) of HCC patients, and 75.68% (28/37) PHC patients had a viral hepatitis history. The serum levels of AFP and GP73 in PHC patients [(418.31 ± 189.93) ng/ml, (252.03 ± 238.34) ng/ml] were significantly higher than that in healthy people [(16.28 ± 9.39) ng/ml, (34.03 ± 22.67) ng/ml] (all $P < 0.01$). The sensitivity and specificity value of AFP combined with GP73 reached 86.49% and 84.20%, respectively. Compared with AFP and GP73 alone, AFP combined with GP73 had higher diagnosis accuracy on PHC. Conclusions Serum levels of AFP and GP73 were important factors for PHC genesis and development. AFP combined with GP73 detection has important significance for PHC diagnosis and prognosis estimation.

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