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明.不同剂量百令胶囊对环孢素A致肾病大鼠免疫功能的影响[J].中国现代应用药学,2014,31(6):686-689.
FENG Xiaoming.Effect of Different Doses of Bailing Capsule on Immune Function of Cylosporine A ıy Rats[J].Chin J Mod Appl Pharm(中国现代应用药学),2014,31(6):686-689.

不同剂量百令胶囊对环孢素A致肾病大鼠免疫功能的影响

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摘要：

目的 观察百令胶囊对环孢素A(cyclosporin A，CsA)大鼠免疫功能的调节作用。方法 SD大鼠，♂，随机分为对照组、模型组、百令大、小剂量组，每组8只。第12周末用流式细胞仪检测大鼠外周血T细胞亚群($CD4^+$、$CD8^+$)、B细胞($CD45RA^+$)及NK细胞($CD161a^+$)占淋巴细胞的百分比，计算$CD4^+/CD8^+$比例。ELISA法测定外周血血清中IgG，IgM含量。结果 模型组及百令大、小剂量组大鼠外周血中$CD4^+$与$CD8^+$百分比均稍高于对照组，但差异统计学意义(P>0.05)。模型组$CD4^+/CD8^+$比值显著低于对照组(P<0.05)，百令大、小剂量组$CD4^+/CD8^+$比值显著高于模型组(P<0.05)，百令大剂量组$CD4^+/CD8^+$比值显著高于百令小剂量组(P<0.05)，其余各组间比较差异统计学意义。与对照组比较，模型组外周B细胞占淋巴细胞的百分比及血清IgG、IgM含量显著降低(P<0.05或P<0.01)；与模型组比较，百令大、小剂量组外周B细胞占淋巴细胞的百分比及血清IgG、IgM含量显著升高(P<0.05，P<0.01)；百令大剂量组B细胞(CD3－$CD45RA^+$)比值显著高于百令小剂量组(P<0.05)。结论 百令胶囊对CsA所致肾病大鼠免疫失调及低下具有调节和促进作用，大剂量百令胶囊作用更明显。

关键词： 环孢素A 百令胶囊 免疫功能

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Effect of Different Doses of Bailing Capsule on Immune Function of Cylosporine A Nephropathy Rats

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Abstract:

To observe the regulatory effect of Bailing capsule on immnune system of cyclosporine A rats, METHODS Male SD rats were randomly divided into control group, model group, small and large dosage of Bailing group(n=8). After 12 weeks, tatsperipheral blood T cells subsets($CD4^+$, $CD8^+$), B cells(CD45RA) and NK cells($CD161a^+$) were tested by flow cytometry, and $CD4^+/CD8^+$ ratio was calculated. Peripheral blood serum level of IgG, content of IgM was determined by ELISA. RESULTS The percentage of $CD4^+$, $CD8^+$ T cells lymphocyte in model group, small and large dosage of Bailing group were higher than control group, but the difference was not statistically significant(P>0.05). The ratio of $CD4^+/CD8^+$ in model group was significantly lower than that in control group(P<0.05). The ratio of $CD4^+/CD8^+$ in small and large dosage of Bailing groups were significantly higher than that of model group(P<0.05). The ratio of $CD4^+/CD8^+$ in large dosage of Bailing group was significantly higher than that of small dosage of Bailing group. Compared with control group peripheral B cells percentage and serum IgG, IgM content of model group was significantly reduced(P<0.05, P<0.01). Compared with model group, peripheral B cells percentage and serum IgG and IgM content of large dosage of Bailing, small dosage of Bailing groups was significantly increased(P<0.05, P<0.01). B cells($CD3CD45RA^+$) ratio in large dosage of Bailing group was significantly higher than that in small dosage of Bailing group(P<0.05). CONCLUSION Bailing capsule has a positive effect on cyclosporine A rats immune system.

Key words: cyclosporin A Bailing capsule immune

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