

方药研究

温阳消饮法对慢性心力衰竭模型
大鼠血清 ANP、TNF- α 及 IL-6 水平影响^{*}杨嘉豪 徐建虎^{**}

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摘要:目的 探索温阳消饮法对慢性心衰大鼠血清中 ANP、TNF- α 及 IL-6 含量水平的影响。方法 将 40 只健康雄性 SD 大鼠随机分为空白组(10 只)与 CHF 组(30 只), CHF 组动物采用大鼠腹腔注射阿霉素(ADR)复制慢性心力衰竭模型, 造模结束后将 CHF 组 SD 大鼠随机分为模型组、温阳消饮组、美托洛尔组进行干预, 四周后观察心肌病理形态学变化, 测定各组大鼠血清 ANP、TNF- α 及 IL-6 的浓度。结果 与空白组比较, 模型组 ANP、TNF- α 及 IL-6 含量升高($P < 0.01$), 与模型组比较, 温阳消饮组及美托洛尔组的 TNF- α 及 IL-6 含量降低($P < 0.01$), 与温阳消饮组比较, 美托洛尔组 IL-6 含量升高($P < 0.05$)。结论 温阳消饮法可显著降低 CHF 大鼠血清 TNF- α 及 IL-6 水平, 抑制炎症反应, 改善心脏功能。

关键词:温阳消饮; 慢性心力衰竭; 心房利钠肽; 肿瘤坏死因子- α ; 白介素-6

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Effect of the Therapy of Warming Yang to Resolve Fluid Retention on
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Abstract Objective To explore the effect of the therapy of warming yang to resolve fluid retention on Serum ANP, TNF- α and IL-6 Levels in Rats with chronic heart failure. **Method** Forty healthy male SD rats were randomly divided into blank group (10 rats) and CHF group (30 rats). Rats in CHF group were injected intraperitoneally with adriamycin (ADR) to replicate chronic heart failure model. After the model establishment, SD rats in CHF group were randomly divided into model group, warming yang to resolve fluid retention group and metoprolol group for intervention. After four weeks, the pathological changes of myocardium were observed and the serum ANP of rats, concentrations of TNF- α and IL-6 in each group were determined. **Result** Compared with the blank group, the contents of ANP, TNF- α and IL-6 in the model group increased ($P < 0.01$). Compared with the model group, the contents of TNF- α and IL-6 in the warming yang to resolve fluid retention group and the metoprolol group decreased ($P < 0.01$). Compared with the warming yang to resolve fluid retention group, the contents of IL-6 in the metoprolol group increased ($P < 0.05$).

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