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癖速消与他莫昔芬联合应用对大鼠乳腺增生的干预作用

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中文摘要：目的：观察癖速消与他莫昔芬联合应用对大鼠乳腺增生的干预作用。 方法：随机将大鼠分为正常对照组,模型组,癖速消+他莫昔芬高、中、低(3.0,1.5,0.75 g·kg^{-1})剂量组,他莫昔芬组1.67 mg·kg^{-1},癖速消组2.5 g·kg^{-1},大鼠肌注苯甲酸雌二醇0.5 mg·kg^{-1}和黄体酮4 mg·kg^{-1}建立大鼠乳腺增生模型,灌胃给药45 d镜下观察大鼠乳腺小叶、腺泡上皮细胞增生和导管扩张等情况;放免法测定血清中雌二醇(E_2)和孕酮(P)的含量;免疫组化法检测雌激素受体(ER)及孕激素受体(PR)的表达情况。 结果：与模型组比较,癖速消+他莫昔芬能使乳腺增生大鼠乳腺导管及小叶、腺泡上皮细胞增生明显减轻,有显著的统计学差异($P<0.01$,$P<0.05$);能有效的降低大鼠血清中E_2,P的含量($P<0.01$);可显著抑制乳腺组织ER,PR的表达($P<0.01$,$P<0.05$)。 结论：癖速消+他莫昔芬对大鼠乳腺增生病理组织学改变有明显的干预作用。

中文关键词：乳腺增生　癖速消　他莫昔芬　雌二醇　孕酮　雌激素受体　孕激素受体

Protective Effect of Tamoxifen Combined with Pisuxiao in Rats of Mammary Gland Hyperplasia

Abstract: Objective: To carry out a morphological study on the protective effect of Tamoxifen combined with Pisuxiao in rats of mammary gland hyperplasia. Method: Rat were randomized into 7 groups:nomal,model,Tamoxifen (Tam) with Pisuxiao(PSX,3.0,1.5, 0.75 g·kg^{-1})and Tamoxifen (1.67 mg·kg^{-1}),Pisuxiao (2.5 g·kg^{-1}),and ig for 45 days.Rat models of of mammary glands hyperplasia were established by intramuscular injection of estradiol benzoate (E_2)and progesterone(P). Pathologic histopathology of the breast tissue was check up under the microscope.The estradiol and progesterone contents were determined.Estrogen receptor (ER) and progesterone receptor (PR) were evaluated by immunohistochemical technique. Result: In compare with model groups,the estradiol level of Tam with PSX group was evidently lower than that in the model group, Tamoxifen with Pisuxiao could inhibit the ductal and lobular hyperplasia and induce hyperplasia($P<0.01$ or $P<0.05$), reduce the content of E_2 and P in serum ($P<0.01$).At the sametime ER and PR expressionwere obviously inhibited($P<0.01$ or $P<0.05$). Conclusion: Tamoxifen combined with Pisuxiao is protective in rats withexperimental mammary glands hyperplasia.

keywords: breast hyperplasia　Pisuxiao　tamoxifen　estradiol benzoate　progesterone　estrogen receptor　progesterone receptor

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