解毒通络及养阴中药处方对人胃癌细胞 BGC－823 的影响

申小红[1] 孙媛媛[1] 程光[2]*

（1. 华北理工大学附属医院，河北 唐山 063000；2. 华北理工大学，河北 唐山 063000）

摘 要：目的 研究中药解毒通络及养阴处方对人胃癌细胞 BGC－823 的影响。**方法** 通过小鼠灌胃给药获取血清经过无菌处理后干预胃癌细胞 BGC－823，使用细胞增殖实验、Western blot 实验检测细胞增殖、凋亡以及侵袭力的变化。**结果** 细胞增殖试验显示，生理盐水组较空白对照组细胞增殖力无明显变化 $P>0.05$，解毒通络及养阴组较生理盐水组细胞增殖力明显降低 $P<0.05$，Western blot 结果显示，解毒通络和养阴组较生理盐水组，ERK、MMP9 蛋白表达明显降低（$P<0.05$），Bax 蛋白表明显增强（$P<0.05$），养阴组较生理盐水组，E－Cad 蛋白表量明显增强（$P<0.05$）。**结论** 解毒通络及养阴中药处方能够影响 ERK、MMP9、BAX、E－Cad 蛋白表达水平，抑制胃癌细胞 BGC823 增殖，促进其凋亡，能够在一定程度上起到抗癌作用。

关键词：BGC－823；ERK；MMP9；解毒通络；益气养阴

中图分类号：R285.5 **文献标识码：**A **文章编号：**2096－1340（2019）01－0086－05

DOI：10.13424/j.cnki.jsctcm.2019.01.027

Effect of Chinese Prescriptions of Removing Toxicity and Dredging Collateral as well as Nourishing Yin on Human Gastric Cancer Cell BGC－823

Shen Xiaohong[1] Sun Yuanyuan[1] Cheng Guang[2]

（1. Affiliated Hospital of North China University of Science and Technology, Tangshan China, 063000;
2. North China University of Science and Technology, Tangshan China, 063000）

Abstract: Objective: To investigate the effect of Chinese prescriptions of removing toxicity and dredging collateral as well as nourishing yin on human gastric cancer cell BGC－823. **Method:** Serum was obtained by intragastric administration in mice and sterilized to intervene in gastric cancer cell BGC－823. Cell proliferation, apoptosis and invasiveness were detected by cell proliferation test and Western blot test. **Result:** Cell proliferation test showed that there was no significant change in cell proliferation in normal saline group compared with blank control group ($P>0.05$). Cell proliferation in removing toxicity and dredging collateral group and nourishing yin group were significantly lower than that in normal saline group ($P<0.05$). Western blot results showed that the expressions of ERK and MMP9 protein in removing toxicity and dredging collateral group and nourishing yin group were significantly lower than that in normal saline group ($P<0.$

* **通讯作者：**程光，博士。E－mail：gcheng@163.com