

浅论基于苗医理论的广谱抗肿瘤复方参棱夏*

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摘要: 苗医倡导三本论、气血水论, 以此为理论基础, 课题组结合多年临床经验, 自主研发了广谱抗肿瘤的复方参棱夏(人参、三棱、半夏)。试图从传统医药中探寻新的途径, 一定程度上突破上述瓶颈。研究表明, 参棱夏各个组成药物对多种人类常见肿瘤均有较明显抑制作用。运用网络药理学分析方法, 确定黄芩素、 β -谷甾醇、芒柄花素和山奈酚为参棱夏的主要药效成分。它们的作用靶点与肿瘤发生、发展相关的诸多基因具有较高的相关性, 且与凋亡及 P53 信号通路密切相关, 值得深入研究。

关键词: 苗医; 人参; 三棱; 半夏; 恶性肿瘤; 网络药理学

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A Discussion on the Broad-spectrum Antitumor Compound Shen Leng Xia Based on Theories of Miao Medicine

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Abstract: Miao medicine proposes Sanben theory, qi, blood and water theory, based on which this research group made an independent research and development of the broad-spectrum antitumor compound Shen Leng Xi (ginseng, rhizoma sparganic, pinellia tuber), trying to explore new ideas from the traditional medicine. This research indicates that Shen Leng Xia were significantly effective in inhibiting the common tumors occurring to human. By using the method of network pharmacology, baicalein, β -sitosterol, formononetin and kaempferol are identified as the main pharmacodynamic components of kaempferol. Their effect targets are highly correlated with many genes of tumorigenesis and its progression, also with apoptosis and P53 signaling pathway, which deserve a further study.

Keywords: Miao medicine; ginseng; rhizoma sparganic; pinellia tuber; malignant tumor; network pharmacology

近年来恶性肿瘤发病率逐年增高, 据统计 2014 年我国每年发病数和死亡数分别占全球的 23.7% 和 30%, 且还在不断增加^[1-2]。我国肿瘤相关社会经济负担沉重, 防控形势严峻^[3-4]。近年来, 肿瘤的药物治疗遇到了巨大的瓶颈: 单一作用靶点不能有效控制复杂的癌类疾病, 迅速产生的耐药性, 严重的毒副反应等^[5]。所以化学治疗对降低癌类疾病的死亡率并没有起到明显作用^[6]。

传统医药常是多成分、多靶点发挥作用; 不易产生耐药, 甚至能逆转耐药; 安全无毒, 许多成分甚至存在于蔬菜、水果等日常食物中。所以, 从中医药中探寻肿瘤治疗新思路, 具有较大前景和意义。

恶性肿瘤在中医学中, 属于积聚、癥瘕、恶瘤等范畴, 与气血痰结、毒邪凝滞密切相关。苗医认为, 肿瘤为恶毒病候, 与以气为代表的能量和以血、水为代表的物质, 出现不同程度的不足与瘀滞

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