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基于频数分析的中药复方有效专利防治心血管疾病用药规律研究

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**中文摘要:**目的:探讨心血管中药复方有效专利的用药规律,为新药研发及专利保护提供参照。方法:以维持时间较长的心血管中药复方专利为研究对象,运用频数分析的方法研究其核心药物的组成、功效、归经、药对配伍。结果与结论:心血管中药复方有效专利的高频中药包括丹参、黄芪等近30味,功效集中于活血化淤和补气,主要归心、肝、脾、肺经,药对配伍可增强疗效,该研究结果为心血管中药复方研发及专利保护提供了参照并规划了新的研发空间。

**中文关键词:**中药复方 有效专利 心血管 频数分析 用药规律

## Regularity of drug use of patents in force of traditional Chinese medicine compounds in preventing and treating cardiovascular diseases on basis of frequency analysis

**Abstract: Objective:** To study the regularity of drug use of patents in force of traditional Chinese medicine compounds in treating cardiovascular diseases and provide reference for new drug R&D and patent protection. **Method:** With long-lasting patents in force of traditional Chinese medicine compounds in treating cardiovascular diseases as the study object, the frequency analysis was made for studying their core ingredients, efficacy, channel tropism and drug compatibility. **Result and conclusion:** There are nearly 30 frequently used traditional Chinese medicine compounds in treating cardiovascular diseases with patents in force including *Salvia miltiorrhiza* and *Astragalus mongholicus*, with main efficacy for promoting blood circulation and removing blood stasis and reinforcing Qi and the highest efficacy in heart, liver, spleen and lung channels. The results of this study provide reference and new room for development for R&D of traditional Chinese medicine compounds in treating cardiovascular diseases and patent protection.

**keywords:** traditional Chinese medicine compounds patent in force cardiovascular frequency analysis regularity of drug use

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