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不同药性中药与石膏配伍后有效成分煎出量变化的研究

To study the changes of quantity of effective constituent in different Medicinal properties medicines after compatibility with Gypsum fibrosum

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中文关键词： 药性 石膏 黄芩 升麻 桂枝 甘草 煎出量

英文关键词：four nature of drugs; Gypsum fibrosum Cimicifuga foetida Cinnamomum cassia Presl Glycyrrhiza radix et rhizome Scutellariae ra HPLC ;the changes of quantity of chemical components

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中文摘要：

目的：通过测定升麻、桂枝、甘草、黄芩分别与石膏配伍后有效成分煎出量变化,对中药药性论进行研究。方法：采用Agilent Eclipse XDB-C18(150 mm?4.6 mm,5 μm)色谱柱,以乙腈-1%磷酸(13:87)为流动相,在316nm波长测定咖啡酸,阿魏酸,异阿魏酸;,以乙腈-1%磷酸水(32:68)为流动相,测波长为290 nm测定肉桂酸、肉桂醛；以甲醇-水-磷酸(47∶53∶0.2)为流动相,在277 nm波长测定芩苷；采用Agilent Eclipse XDB-C18(250 mm?4.6 mm,5 μm)色谱柱,1%磷酸水-乙腈梯度洗脱,在长237nm测定甘草酸,甘草苷。结果:寒性药黄芩、凉性药升麻与石膏配伍后有效成分煎出量增加；热药桂枝、温性药甘草与石膏配伍后有效成分煎出量降低。结论:寒性药石膏能增加寒凉药黄芩、升麻效成分煎出而降低温热药桂枝、甘草有效成分煎出。

英文摘要：

ABSTRACT: OBJECTIVE：By study the changes of quantity of effective constituen after compatibility of Cimicifuga foetida、 Cinnamomum cassia Presl、 Glycyrrhiza radix et rhizome、Scutellariae radix respectively with Gypsum fibrosum by HPLC to research the four gas theory of traditional chinese medicine .Methods: Agilent Ecli XDB-C18(150 mm×4.6 mm, 5 μm) was adopted; the mobile phase was Acetonitrile- wate of 0.1% phosphoric acid(13:87) the detection wavelength was 254 nm for Caffeic acid Ferulic acid Isoferulic acid; the mobile phase was Acetonitrile- water of 0.1% phosphoric acid(32:68) the detection wavelength was 290 nm for Cinnamic aldehyde Cinnamic acid;the mobile phase was methanol-H2O- phosphoric acid(47:53:0.2) the detection wavelength was 277 nm for Baicalin; Agilent Eclipse XDB-C18(250 mm×4.6 m

5 μm) was adopted; the mobile phase was 0.1% phosphoric acid solution(A)-Acetonitrile(B) with gradient elution the detection wavelength was 237 nm for Liquiritin Glycyrrhizic acid Results: The quantity of chemical componts in compatibility of Cim;icifuga foetida、Scutellariae radix with Gypsum fibrosum increased; The quantity of chemical componts in compatibility of Cinnamomum cassia Presl Glycyrrhiza radix et rhizome with Gypsum fibrosum reduced. Conclusion: Gypsum fibrosum can add the chemical components quantity of The cold drugs but reduce the