

三秦医药

陕产长药隔重楼的生药学研究^{*}雷婧艺¹ 程虎印^{1**} 张逸潇¹ 周源¹ 丁国柱¹ 程江雪¹ 王艳² 赵乐³

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摘要: 目的 研究陕产长药隔重楼的生药学特征。方法 用形态组织学方法研究原植物形态、根茎生药性状和显微特征,用HPLC法测定重楼皂苷Ⅰ、Ⅱ、Ⅵ、Ⅶ类质量控制类有效组分的含量。结果 陕产长药隔重楼具有特定生长特性;根茎显微特征:横切面有1层栓化表皮、皮层和显著不连续内皮层、薄壁组织中散布周木式维管束的中柱等结构,粉末中含极多单粒淀粉和草酸钙针晶,螺纹和梯纹导管;HPLC法测得4种皂苷总含量1.086%以上。**结论** 陕产长药隔重楼来源确定、具有特定生药性状和显微结构,有效组分总含量较高。该研究一定程度上阐释了民间将长药隔重楼根茎与中药重楼等效使用的合理性,为制订陕产重楼药材质量标准、合理开发资源奠定了基础。

关键词: 长药隔重楼;生长特性;生药学;显微特征;重楼皂苷**中图分类号:**R282.71 **文献标识码:**A **文章编号:**2096-1340(2020)06-0036-08**DOI:**10.13424/j.cnki.jsctcm.2020.06.010

A Pharmacognostic Study of Changyao Gezhonglou in Shaanxi

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Abstract: **Objective** To make a research on pharmacognosical characteristics of crude medicine rhizome of changyao gezhonglou (var. pseudothibetica H. Li) in Shaanxi. **Methods** The morphological feature of original plant, pharmacognostic and microscopical characteristics of crude medicine rhizome of changyao gezhonglou in Shaanxi are studied by morphological and histological identification. HPLC was adopted in the determination of quality control class effective components of the total content of 4 saponins (polyphyllin I, II, VI, VII). **Results** Changyao gezhonglou in Shaanxi has specific growth characteristics, the root and stem have microscopic characteristics. There are one layer of suberification epidermis, cortex and discontinuous remarkable endodermis, and some stele of amphivasal vascular bundle in the parenchyma tissue which were observed in the transection section. In the crude drug powder, the powder contains a lot of single-grain starch and

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