

令和元年度「日本薬局方の試験法等に関する研究」研究報告 生薬の鏡検に関する研究（第3報）*5

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Study of Microscopic Examination for Crude Drugs (Part 3)

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Summary

In the Japanese Pharmacopoeia (JP), microscopic examination is a very important method to decide whether or not crude drugs meet the required specifications. Observations of morphology, the size of organs or cells, and the cell contents form a key part of the JP criteria.

However, in the absence of visual information, such as schematic drawings or illustrations for each crude drug, considerable experience is needed to observe and identify internal morphological features by means of microscopic observation.

Therefore, the aims of this study were as follows: (1) to acquire images of specimens or commercial products of Lindera Root and Clematis Root, (2) and thereby to accumulate data on their features, taking into consideration the influence of the kinds of original plants or the methods used to process raw materials into crude drugs, and (3) to interpret the internal morphological characteristics with the aid of these images in the context of the JP.

Key words

The Japanese Pharmacopoeia, Crude Drugs, Microscopic Examination, Identification, Tissue Sections, Internal Morphology, Lindera Root, Clematis Root