

S45-1 Introduction of “clinical pharmacognosy” — integration between pharmacognosy and clinical pharmacy

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In Japanese hospitals or pharmacies, crude drugs and natural products are used as the components of kampo medicine and dietary supplements. Clinical pharmacy can cover the subjects about drug information such as the efficacy, adverse action, or interactions of crude drugs or natural products. However, it is very difficult for the clinical pharmacists without the knowledge of pharmacognosy to treat the information, because crude drugs and natural products have much different pharmaceutical characteristics from chemical drugs containing single compounds. Some drug information provided by them is sometimes ridiculous and misleads the unusefulness of crude drugs. Therefore, it is necessary to integrate the clinical pharmacy and pharmacognosy named "clinical pharmacognosy" to use crude drugs and kampo medicine effectively and safely.

Clinical pharmacognosy would also handle kampo medicine, a Japanese traditional medicine. Since basic pharmacognosy is one of the modern pharmaceutical sciences, it is limited to understand kampo formula and its clinical usefulness by pharmacognosy. I suggest here that clinical pharmacognosy would better adopt the knowledge of traditional Chinese medicine that has the theory of traditional pharmacology of crude drugs used in kampo medicine.