

薬学実習生を対象とした抗がん剤調製実習 カリキュラムの作成と指導効果

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Practical Training Curriculum of Antitumor Drug Preparation for Effective Education to Pharmacy Student

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[Objective] We attempted to create a practical training curriculum for antitumor drug preparation to educate pharmacy students. Since the preparation technique is an important skill that hospital pharmacists should develop, we assessed the curriculum's educative value.

[Design and Method] The education curriculum we have developed provides training on checking prescriptions, dispensing of antitumor and antiemetic drugs, preparation of isotonic sodium chloride solutions with syringes, use of gown and glove techniques for protection against carcinogenic exposure, and preparation of admixture drugs being sterile.

Antitumor and antiemetic drugs were substituted with harmless and inexpensive riboflavin-containing generic products. UV irradiation of the droplets of the drugs produced fluorescence.

[Results] The results of a questionnaire survey revealed that pharmacy students recognized the difficulty of preparing drugs for injection with precision. They effectively learnt the preparation techniques for protection against carcinogenic exposure.

[Conclusion] The substitution of the training curriculum for antitumor drug preparation with that for preparation of riboflavin-containing drugs might prove beneficial in educating not only pharmacy students but also other students in the medical profession who are unaccustomed to the preparation procedure.

[Key words]

Practical Training curriculum, Antitumor Drug Preparation, Clinical Pharmacy Training, Cancer Chemotherapy