

〈原 著〉

化粧品等の安全性検査の一工夫

篠 力*

A Newly Devised Skin Strip Method for the Safety Evaluation of Cosmetics

Tsutomu SHINO*

The diagnostic patch test is one which is concerned with the degree of sensitivity involved therefore, weak irritant reacting compounds should not be included for evaluation. On the prophetic patch test, a weak irritant reaction is important. Gross pathological evaluation of the patch test is unsatisfactory for the prophetic purpose because false negative cases (negative in the patch test but positive in the application test) occur in 8 — 10% of cases. Although the patch test was negative, the site showed, occasionally, various degrees of eczematous reaction (histopathologically) in the infundibulum of the hair follicle. In the stereoscopical investigation, slight erythema and slightly raised papulous changes in the hair follicles were evident, these findings corresponding to above mentioned histopathologic changes. As it is impossible that each site of patch tests be examined by biopsy, the skin strip method can be used to determine the histopathologic changes. An attempt was made to use the skin strip method as an evaluation of the prophetic patch test.