

(原 著)

モルモットによる接触感作性試験 (Closed Epicutaneous Test)の検討

勝村 芳雄, 市川 秀之, 石井 しのぶ,
小林 敏明, 藤山 喜雄*

Closed Epicutaneous Test: Evaluation of Contact Sensitivity to Chemical Compounds

Yoshio KATSUMURA, Hideyuki ICHIKAWA, Shinobu ISHII,
Toshiaki KOBAYASHI, Yoshio FUJIIYAMA*

Abstract

Among many methods to detect contact allergenicity of chemicals using guinea pigs, the methods employing Freund's complete adjuvant (FCA) have been widely used because of their high sensitivity.

Contact allergenicity of ten compounds (Sudn I, Quinoline Yellow SS, DNCB, PPD, Hydroquinone, Abs. Oakmoss, Abs. Jasmin, Hydroxycitronellal, Isoeugenol and Methyl paraben) was evaluated by Closed Epicutaneous Test (CET) developed by Ishihara et al in which FCA was not used.

The results were compared with those of Maximization Test (MT) and Adjuvant and Patch Test (APT), both of which employ FCA. With the exception of hydroxycitronellal and methyl paraben, well-defined positive reactions were observed by CET with eight compounds which showed moderate to severe skin reactions in MT and APT. These results indicate that CET possesses sensitivity to detect compounds with moderate to strong sensitizing potentials.

Keywords: Closed Epicutaneous Test
Maximization test
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