

综述

迟发型药物性皮肤反应的免疫学机制的研究进展

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摘要 药物性皮肤反应是最常见的药物不良反应, 轻则影响治疗, 重则危及生命。虽然药物性皮肤反应也可以出现在非免疫机制的情况下, 但是临床上免疫系统在迟发型药物性皮肤反应 (DDCR) 中扮演了主导作用。DDCR的开始阶段包括蛋白抗原化、树突细胞活化和迁移及T细胞增殖。最近研究表明, 存在新的替代机制不需生物活化或抗原呈递过程就能引起药物特异性T细胞反应。DDCR的发病机制十分复杂, 只有从细胞和分子水平上阐明机制, 才能对DDCR作出有效的预防和治疗。本文从免疫学角度出发, 围绕引起DDCR的关键过程和影响因素, 综述了DDCR的发病机制。

关键词 [迟发型药物性皮肤反应](#) [接触性皮炎](#) [树突状细胞](#) [T细胞](#) [协同刺激分子](#)

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Progress in immunological mechanisms of drug-induced delayed-type cutaneous reactions

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Abstract

Drug-induced cutaneous reactions are relatively common adverse actions for a clinical drugs, which could lead to therapeutic failure or life-threatening. Although drug-induced cutaneous reactions can occur in the case of non-immunological mechanism, immune system play a leading role, especially in drug-induced delayed-type cutaneous reactions (DDCR). At the initial phase of DDCR, processes of haptentation of drugs or their metabolites, activation of antigen-presenting cells and expression of co-stimulatory molecules are usually involved. However, recent research indicated that there is a new alternative route which does not require bioactivation of drugs or their metabolites or antigen processing to elicit an immunological response. Due to its complexity, this paper reviewed the effective prophylaxis and treatment for DDCR, based on the right understanding of the pathological mechanism.

Key words [drug-nduced delayed-type cutaneous reactions](#) [contact dermatitis](#) [dendritic cell](#) [T-ell costimulatory molecule](#)

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