Int. Arch. Allergy 1971;41:148

Induction of Tolerance During the Primary Response to Simple Chemicals

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The contact hypersensitivity and the production of antidinitro-phenyl antibodies induced in guinea pigs by epicutaneous application of dinitrochlorobenzene (DNCB) can be inhibited when dinitro-benzolsulfonate is injected i.v. during the primary response, i.e. 6 to 24 h after the topical application of DNCB.

The tolerance so obtained is specific and remains for 2 to 3 months, but can be broken in some of the animals by a renewed contact with DNCB.