

〈教育セミナー〉

肥満細胞と紫外線

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Mast Cells and Ultraviolet Light

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Abstract

Recent advances in mast cell biology including its development and differentiation, its heterogeneity and the biological role in cutaneous allergic inflammation are briefly reviewed. Mast cells are divided into two subtypes, MC_T and MC_{TC}, which show functional heterogeneity in inflammatory events and their remodeling. Phototherapy and photochemotherapy effectively inhibit the mast cell activation and thus might be promising to regulate the allergic inflammation, which is a critical issue of clinical dermatology.

Key words: mast cells, allergic inflammation, ultraviolet light, remodeling.