

〈教育セミナー〉

(21世紀へ向けてのアンチエイジング—しわを防ぐために)

皮膚の細胞外マトリックス

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Extracellular Matrix in Skin

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Abstract

Connective tissue has a complex structure and is composed of a large number of different constituents, such as collagens, elastic fibers, hyaluronic acid, decorin and versican. Many diseases, inherited or acquired, are known to be due to disturbances in the structure or biosynthesis of these connective tissue components. Damage to human skin due to ultraviolet light from the sun and chronologic or natural aging are considered to be distinct entities. Photoaging is caused in part by damage to skin extra cellular matrix by increased elaboration of collagen degrading matrix metalloproteinases, and by reduced collagen synthesis.

Key words: collagen, elastic fiber, proteoglycans, MMP, Laminin.