Controlling reactive oxygen species in skin at their source to reduce skin aging.

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Abstract

Activity of an age-related, superoxide-forming, cell-surface oxidase (arNOX) comparing dermis, epidermis, serum, and saliva from female and male subjects ages 28-72 years measured spectrophotometrically using reduction of ferricytochrome c correlated with oxidative skin damage as estimated from autofluorescence of skin using an Advanced Glycation End products Reader (AGE-Reader; DiagnOptics B.V., Netherlands). By reducing arNOX activity in skin with arNOX-inhibitory ingredients (NuSkin's ageLOC technology), skin appearance was improved through decreased protein cross-linking and an accelerated increase in collagen.