

〈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)

## シワの防止の効能表現と評価法 ——日米欧の規制と技術の課題——

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### **Efficacy Expression and Evaluation on the Prevention of Wrinkles** **—Prospective technical problems and regulation in Japan, U.S., and Europe—**

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#### **Abstract**

Anti-wrinkle cosmetic products are sold at a market in U.S. and Europe but not approved in Japan. Therefore, cosmetic products for wrinkles in U.S. or Europe may be advocated as products with quite different efficacy in Japan. This fact is a contradiction in the international cosmetic market. Efficacy expression and regulation of cosmetics on the prevention or improvement of wrinkles are described here. Then, typical evaluating methods of wrinkles including two-dimensional image analysis and three-dimensional image analysis (light cutting method, pattern projection method) are mentioned. Moreover, prospective technical problems in Japanese cosmetic industry on the development of anti-wrinkle products are discussed.

**Key words:** wrinkles, efficacy expression, evaluating methods, image analysis, regulation.