

〈原 著〉

## 水素添加大豆リン脂質の保湿効果に及ぼす基剤の影響\*

藤井 まき子\*\*, 塩沢 久美\*\*,  
山内 静香\*\*, 松本 光雄\*\*

### The Influence of Vehicle on Moisturizing Effect of Hydrogenated Soybean Phospholipids

Makiko FUJII,\*\* Kumi SHIOZAWA\*\*  
Shizuka YAMANOUCHI,\*\* Mitsuo MATSUMOTO\*\*

#### Abstract

Moisturizing effect of phosphatidylcholine (PC) and hydrogenated PC (HPC) were examined by application as various formulation to healthy female volunteers. Water concentration in stratum corneum was expressed as a conductance measured by high-frequency current. Application of 3% HPC or PC in water showed no effect on both of water concentration in stratum corneum and water-holding capacity. The water concentration was increased after application of 20% glycerin or propylene glycol without HPC or PC. The water-holding capacity, which was determined by water sorption-desorption test, was significantly increased after application of formulations with HPC, though not increased after application of formulations without HPC. It suggested that HPC affected on the water-holding capacity.

**Key words:** moisturizing effect, phosphatidylcholine, glycerin, propylene glycol.