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Technology of extracting Phospholipids from egg yolk and possibilities
to utilize the Phospholipids in the clinical treatment

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Nakanishi Toshiyuki

Motive and Introduction

Since 1951 I have been interested in research on eggs, but not until 1960 did I launch any further, genuine analysis of eggs. In particular, the engagement of study aimed at Phospholipids was not launched until 1961.

My first theme concerning eggs was an ingredient analysis of yolk. Afterwards I stayed at the Paul Institute, K, Chemical, at Weppertal City in Germany, studying the effects that Phospholipids has on cranial nerves.

Considerable dissertations have been issued concerning the results of Phospholipids for internal use, such as its effects on promoting appetite and improving liver function. All the above mentioned are also published as facts in the realm of folk therapy.

Nevertheless, I am convinced that my research studying the effects of putting Phospholipids into use for external applications on skin injuries has not been attempted before.

Phospholipids of high purity is unnecessary when it comes to folk therapy, however, purity as high as 70% is required for medical treatment.

Taking advantage of plenty of organic solvent instead of enzyme, which could cut off protein and fat, to manufacture Phospholipids of purity of 70% was first achieved by researchers in Japan, (also known as the organic-acid-based cut-off method).

Years of effort is required if Phospholipids of a purity of 70% is to be acquired. I would like to provide some rough descriptions of eggs before any clinical effects and manufacturing methods of Phospholipids are delivered.

Profile

Abstracting Phospholipids of high purity out of yolk, refining, then using them as a medical treatment for skin injuries such as frostbite and burns in the Dermatology Department of Osaka Police Hospital serve as the raw materials for this dissertation concerning the clinical effects of Phospholipids with which I think I could contribute to the treatment of patients with skin injuries in the future.