

牛乳清蛋白萃取物應用於乳房重建後莢膜攣縮之預防成效
胡桂嘉 蔡明峰 黃文成 游家孟 董光義 李安莉
財團法人馬偕紀念醫院 整形外科

Efficacy of Bovine Whey Protein Extract for Prevention of Breast Capsular Contracture after Breast Reconstruction

Kuei-Chia Hu, Ming-Feng Tsai, Wen-Chen Huang,
Chia-Meng Yu, Kwang-Yi Tung, An-Li Lee

Department of plastic and reconstructive surgery, Mackay Memorial Hospital

Purpose:

Capsular contracture (CC), the common complication following breast reconstruction with implants, is a complex inflammatory reaction that ultimately leads to fibrosis at the contact site between the implant and tissue. Therefore, it is important to try and understand why this happens, and what can be done to reduce its incidence. A numerous of method have been postulated and implemented by many surgeons to reduce the incidence of CC.

Materials and Methods:

We retrospectively reviewed numerous patients since 2013 for evaluating the efficacy of bovine whey protein extract (BWPE) in prevention of CC following breast reconstruction at Mackay Memorial Hospital. The patient charts and operative record were analyzes statistically to identify patients characteristics, surgical method, complications rate, cosmetic outcome.

Results:

Our data of complications and cosmetic outcome are expected to be better in comparison to current literature review. Although the in vivo mechanism of action of BWPE in preventing CC remains unknown, we proved some hypothesis for explaining this clinical outcome.

Conclusion:

This simple, reliable method, with few complications, prevents many CC following breast reconstruction with implants. The results of this study suggest reliable target for the prevention of CC through the development of BWPE.

