

# MESOTHERAPY WORLDWIDE

## LIPODISSOLVE - PHOSPHATIDYLCHOLINE



**Mesotherapy Worldwide**  
C401 1-11 Hunter Street  
Waterloo NSW 2017 AUSTRALIA  
[www.mesotherapyworldwide.com](http://www.mesotherapyworldwide.com)

### What is Lipodissolve?

Lipodissolve injections (PPC Injections) should not be regarded as a new miracle drug for weight reduction. However in the case of fat deposits which cannot be removed by diet or exercise then PPC injections are effective. They do this by helping the natural metabolic process during which fat is melted away and then eliminated from the body. The medication is directly injected into the area concerned. Areas suitable for treatment are: Double chin, Cheeks, Eye Fat Pads, Buttocks, Thighs, Love Handles, Hips, Stomach, Upper Arm, Knee and Elbow Joints...

The medication used for Lipodissolve injections is a natural chemical which acts in the body to protect the liver, and has also been used by doctors for many years to prevent fat embolism in the blood. How it works: The biology of the fat cell is modified by blocking the signals of fat accumulation and simultaneously triggering the release of stored fat.

Mesotherapy can target specific areas or spots where your body stores excessive fat. The customized Mesotherapy formula injected in a specific area blocks the cells from storing fat and helps break the existing fat cells down. After Mesotherapy your body then naturally flushes out the broken-down fat. Spot reduction can be used for double chins, baggy eyelids, love handles and any other area where your body pockets fat.

### How many treatments do patients need?

The number of treatments differs from person to person, depending upon body region and body size. As a rule, 2 - 4 treatments in intervals of 4-6 weeks are necessary to successfully complete the treatment.

### Research Studies Summarised

#### Hexsel D. "Phosphatidylcholine in the treatment of localized fat":

*The Journal of Drugs and Dermatology - 2003*

One study relating to phosphatidylcholine (the active ingredient in mesotherapy injections for localised fat) in the treatment of localised fat reported that out of the 208 patients with different patterns of localised fat on the body (thighs, hips, abdomen, flanks) and face (chin region) were treated between July 2001 to December 2002 reported that:

- Discomfort after treatment was limited to moderate to severe edema, erythema and localised heat. While some points showed bruises these regressed spontaneously after 7-10 days
- Discomfort was slight and moderate itching was reported by some participants
- Very few patients failed to notice reduction in the subcutaneous thickness

The same study concluded that phosphatidylcholine was shown to be "efficacious and safe", "low cost and easy" compared to surgical alternatives.



#### Guedes Rittes P. M.D. "The Use of Phosphatidylcholine for Correction of Lower Lid Bulging Due to Prominent Fat Pads": *The American Society for Dermatologic Surgery Inc - 2001*

Thirty patients were treated for prominent lower eyelid fat pads with phosphatidylcholine injections. Pre and post treatment photographs were taken for long term analysis. The study reported that:

- Cosmetic improvement occurred in all patients
- All patients complained of mild burning following injections, which typically only lasted about 15 minutes
- A marked reduction of the lower eyelid fat pads with no recurrences. These images taken from the study which develop the visual improvements:



#### Adam M. Rotunda, MD Treatment of lower eyelid fat pads using Phosphatidylcholine - *J Am Acad Dermatol : March 2004, part 2 • Volume 50 • Number 3*

Injectable phosphatidylcholine, a lecithin derived phospholipid, has been previously demonstrated to improve the appearance of infraorbital fat pad herniation. Current use internationally has led to significant interest in this novel substance. It may benefit some patients considering blepharoplasty. [Of course, ] larger studies evaluating long-term safety and efficacy of phosphatidylcholine for cosmetic purposes are warranted.