

The following ingredients are used in the mesotherapy for fat loss and cellulite reduction injections:

Carnitine

Collagenase

Ginkgo biloba

1% lidocaine

Phosphatidylcholine (PPC)

Sterile water (used to thin out solution)

Therapeutic Uses for Carnitine

In Mesotherapy, carnitine transports liberated fat into the little power centers of the cells (mitochondria) so that the fat can be burned for energy. Without optimal amounts of carnitine, there is not optimal fat burning taking place in Mesotherapy.

Oral supplementation or dietary intake of carnitine:

Aids in weight loss

Can also be used to treat cognitive disorders, as well as depression

Enhances the effectiveness of the antioxidant vitamins E and C

Has the ability to lower blood triglyceride levels

Helps to ease the severe pain of intermittent claudication

Improves the motility of sperm

Improves muscle strength in people with neuromuscular disorders

Increases the use of fat as an energy source

Induces alcohol-induced fatty liver

Lessens the risk of heart disorders

Major source of energy for muscles

May be useful in treating Alzheimer's disease

May be useful in treating chronic fatigue syndrome (CFS) [studies have shown decreased carnitine levels in many people with CFS]

Prevents fatty buildup, especially in the heart, liver, and skeletal muscles

Reduces health risks associated with diabetes by increasing fat metabolism

Synthesis of carnitine depends on adequate levels of iron, B1, B6, vitamin C, and the amino acids lysine and methionine in the body

Treatment with carnitine reduces damage to the heart from cardiac surgery

Vegetarians are more likely to be deficient in carnitine because it is not found in vegetable protein

Works with antioxidants to help slow the aging process by promoting the synthesis of an enzyme in brain cells that is vital for the production of cellular energy there

Therapeutic Uses for Collagenase

Collagenase is a natural enzyme which increases tissue permeability and promotes the dispersion of the other ingredients. In Mesotherapy, collagenase is used in the formula to break down the connective tissue bands that create the dimpled appearance of cellulite and allows the liquefied fat to move from the area to be excreted.

Therapeutic Uses for Ginkgo Biloba

An extract from the plant, Ginkgo biloba, is part of the formula injected into fatty tissue to increase circulation to the area, promoting the dispersion of other ingredients into the tissue, and to aid in the elimination of the fat once it has been liquefied.

Therapeutic Uses for Lidocaine

Lidocaine serves as vector and improves the diffusion of the products. Due to the small amount used in the injections, it is not being used to anesthetize the area, but some temporary numbness may be felt after the injections. **Please let your physician know if you are allergic to any anesthetics.**

Therapeutic Uses for Phosphatidylcholine

Phosphatidylcholine (PPC) is injected into the subcutaneous fatty tissue with very thin needles to liquefy the fat. The fat is then excreted through feces and, in smaller amounts, urine. The highest recommended dosage is 2500mg per session with a time gap between treatments of four weeks in a given area. Depending on the body region injected, two to four treatment sessions are necessary.

The subcutaneous use of phosphatidylcholine is still “off-label”. This means that the subcutaneous injections are completely legal. The responsibility lies with the physician after having explained and discussed the treatment with the patient and a disclaimer form has been signed.

Oral usage of PPC is used in the treatment of: bipolar depression, side effects of bacterial meningitis, as an adjunct of chemotherapies, ulcerative colitis and Crohn’s disease, coronary heart diseases and cardiosclerosis, fatty liver and non-alcohol based fatty liver hepatitis, a free-radical catcher, an antisclerotic agent, and for cell rejuvenation.