SYMMETRY FAMILY HEALTH Sandra Brown, APRN, FNP-BC

Benefits of MICC Injection

MICC is an acronym for the compounds: L-Methionine, Inositol, Choline, and Cyanocobalamin. These are lipotropic agents which help with the breakdown of fat during metabolism in the body. Often referred to as "fatburning" injections, these components, especially inositol, and choline, have been found to improve mental function and feelings of depression.

Methionine

- An antioxidant amino acid that neutralizes free radicals and is important for many body functions. It prevents excess fat build up in the liver and the body and helps with digestion.
- Methionine is also helpful in preventing fatigue and may be useful in some cases of allergies as it can reduce histamine release. It is one of the important amino acids that increase energy and lean muscle mass.
- L-Methionine is useful in the treatment of liver disease and is a recommended supplement for vegetarians.
- For weight management, L- Methionine helps the body process and eliminate fat.
- It is a required amino acid in the production of cysteine and taurine, which help the body eliminate toxins.

Inositol

• Inositol's primary function is to keep fat from collecting in the body, particularly in the liver. Inositol is added to some energy drinks because of its efficiency in converting nutrients into energy. It is also found predominantly in fruits such as cantaloupe and oranges, as well as bananas, kidney beans, raisins, and peanuts.

Other Benefits

- Promotes sleep
- Fights depression
- Stimulates hair growth
- Improves blood circulation

Choline

- Choline is important for normal function of the liver, brain, nervous system, muscles, and metabolism.
- Choline deficiency leads to nervous, digestive, and reproductive system issues as well as a noticeable drop in energy levels. Deficiency can also cause increased muscle aches and pain, mood swings and can negatively affect memory. Choline is considered an essential nutrient that, while produced in the liver, is generally not produced in sufficient quantities.
- Like inositol, it is often grouped within the B complex of vitamins, although it is not a true B vitamin.
- Choline is required in the regulation of the kidneys, liver, and gallbladder.
- As part of a weight loss program, choline is essential for fat metabolism, it functions as a methyl donor, and it assists detoxification reactions in the liver.
- Soybeans along with eggs are two of our best choline-based food sources, as well as beef liver, cauliflower, tofu, and almonds.
- The components of a MICC injection, especially inositol and choline, have been found to improve mental function and improve feelings of depression.

Cyanocobalamin (B12)

- Boosts Energy Levels
- Prevents cardiovascular disease
- Assists in Protein Metabolism
- B12 plays a major role in the working of the nervous system.
- MICC B12 injections: How Long Do They Last?
- How long lipotropic injections stay in your system depends on several factors, such as your own personal
 metabolism and how often the injections are administered. In general, though, these injections last about a
 week or two.
- MICC Injections Before and After: How Long to See Results?
- It often takes up to 3 to 4 weeks to start noticing the weight loss benefits of MICC injections. However, results are dependent on your diet and exercise. Additionally, the effects of a boosted metabolism might be felt or noticed prior to seeing the weight loss begin.
- Lipotropic Injections: What are the Benefits?
- Lipotropic injections are safe, give energy when reducing caloric intake, and are often used in diet plans that initiate additional weight loss and enhance weight loss results. The nutrients in lipo shots are a class of agents that play important roles in the body's use of fat. These compounds help the liver process those fat cells out of the body.
- Do MICC injections hurt?
- When MIC Injections are administered correctly you may feel a slight pinch, a local warming under the skin or a small tightness in the general injection location. If needed, a topical or local numbing agent could be applied.
- MICC Injections Side Effects: Are They Safe?
- For most patients MIC Injections are safe. Most patients will experience no side effects other than the induced weight loss that the MIC Injections are created to achieve. There is the possibility of a small number of patients experiencing side effects, such as an upset stomach.
- Fat Burning Injections: How Many Shots Do You Need?
- The exact dosage of your injections will depend on what ingredients are being used. Regardless of the dosage, your practitioner may recommend weekly shots for several weeks. This may be for a few months at a time or until you reach your weight loss goal.
- Where do you inject MICC injections?
- The fat burning injections site can be the buttocks, thigh, hip, or upper arm.
- It is important to keep in mind that MIC injections are meant to be part of a sustainable weight management plan and cannot replace a healthy lifestyle. Regardless of your weight loss goals, it is essential to continue to exercise and follow a low-calorie diet to achieve the desired effect.

Do You Accept Insurance?

Currently, at this time, we do NOT accept insurance for MICC injections, but we make our costs affordable for the medications and services being offered. Our process is also more simplified and convenient for our patients.