

# Cognition Phosphatidylcholine (PTC) - IV Drip



## What is Cognition Phosphatidylcholine IV?

Phosphatidylcholine or PTC is one of the main types of lipids found in cell membranes. Cell membranes are a fluid layer and the composition of this layer effect what particles can enter and exit the cell. As we age the composition of the cell layer changes and the level of healthy fats like phosphatidylcholine decrease while less beneficial cholesterol increases. This decrease in phosphatidylcholine causes cell membrane stiffening.

Supplementing phosphatidylcholine intravenously allows from this age related change in the membrane to be reversed and improves the cellular respiratory and cardiac function. In conditions of depleted oxygen such improved cell breathing is crucial. In cardiovascular disease phosphatidylcholine has shown marked reduction in triglycerides and total cholesterol level, increase in HDL, improved blood flow and removal of cholesterol from vascular plaques.

Phosphatidylcholine also affects the liver helping to protect against liver damage, improve metabolic function, enhance secretion of bile and improve transport of fats and toxins to the liver for detoxification. The cardiovascular and liver benefits of phosphatidylcholine are often best used alongside other IV treatment such as EDTA that helps with removing toxic metals and improves vascular function.

There is no established toxicity of phosphatidylcholine and it appears safe even during pregnancy. As phosphatidylcholine improves blood circulation it can also be helpful in improving neurological and physiological conditions where a decrease of blood flow to the brain is suspected.

### Duration

3-3.5 hours

### Ingredients

#### IV Treatment 1

- Folinic Acid - Leucovorin
- Selenium
- Zinc Sulfate
- Ascorbic Acid
- Magnesium Chloride
- Calcium Chloride
- B5-Dexpanthenol
- B6-Pyridoxine
- B-Complex 100
- B12 Methylcobalamine
- Normal Saline

#### IV Treatment 2

- Phosphatidylcholine
- D5W 5% Dextrose in Water

#### IV Treatment 3

- Glutathione
- 0.9% Normal Saline

### Uses

- Protect against liver damage
- Improve metabolic function
- Enhance secretion of bile
- Improve transport of fats and toxins to liver for detox
- Reduces triglycerides and total cholesterol level
- Improves cellular respiratory and cardiac function
- Improves blood circulation - which can be helpful in neurological and physiological conditions where a decrease of blood flow to the brain is suspected

