

WHY CHOOSE

## PERCURA

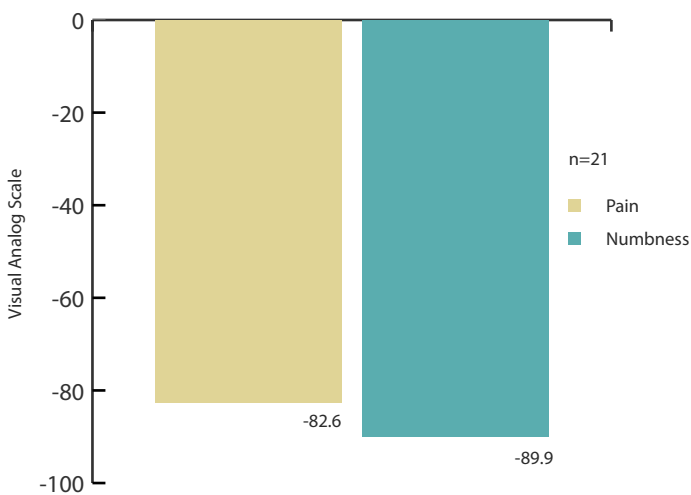
Percura is a specially formulated natural product that provides your nervous system with the amino acids and nutrients needed for optimal nerve cell signaling and health. Percura helps your body address the increased nutritional requirements of pain, numbness and loss of sensation associated with chronic disease.



## Natural Support for Damaged Nerve Cells

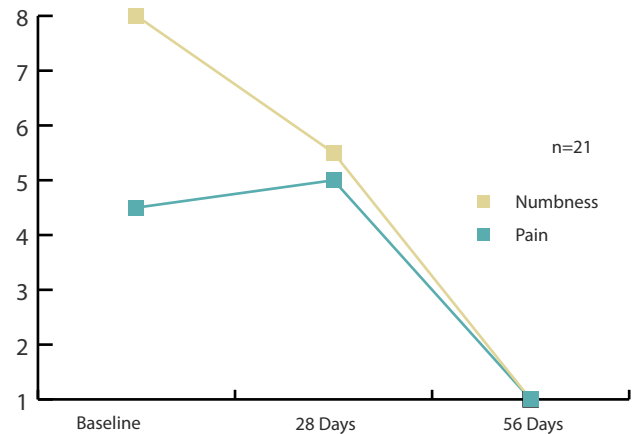
Percura is a source of amino acids, biogenic amines, and botanicals that promote the production of neurotransmitters responsible for reducing signals along the ascending and descending pain pathways and inflammatory pathways. Pain and inflammatory conditions increase the turnover rate of arginine, choline, GABA, glutamine, histidine, 5-hydroxytryptophan, and serine. Simple dietary modifications are not sufficient to satisfy cellular demand and restore homeostasis to the ascending and descending pain pathways and inflammatory processes.

Physician Global Assessment Visual Analog Scale



In a clinical outcomes study of Percura, patients with peripheral neuropathy experienced a reduction in pain and numbness over a 21 day period as measured by a 100 point Physician Global Assessment Visual Analog Scale.

Physician Global Assessment Visual Analog Scale



In a clinical outcomes study of Percura, patients with peripheral neuropathy experienced a reduction in pain and numbness over a 56 day period as measured by a 10 point Physician Global Assessment Visual Analog Scale.



## KEY INGREDIENTS:

### L-Ornithine HCL

L-ornithine is a non-essential, non-protein amino acid. Although L-ornithine is contained in various foods, the amount is usually small. Increased intake of L-ornithine can affect sympathetic nerve outflows while modulating lipid and amino acid metabolism.

### Inositol:

Inositol is important or even essential for the smooth running of a wide range of cellular functions, including cell growth and survival, development and functioning of peripheral nerves, osteogenesis, and reproductive functions. It has been suggested that reduced peripheral nerve myoinositol concentrations may be related to reduced nerve conduction velocity in diabetes.

### L-Arginine:

Research suggests that L-arginine supplementation improves nitric oxide production. Nitric oxide (NO) is a neurotransmitter that plays an important role in pain signaling and vasodilation. L-Arginine in Percura is designed to support peripheral blood flow and nerve cell health.

### Choline Bitartrate:

Choline Bitartrate is converted to acetylcholine (Ach) in the human body. Ach has a variety of benefits for the nervous system. In Percura, the antinociceptive activity of Ach is due in part to the ability of Ach to stimulate the synthesis and release of serotonin. Ach is a key inhibitor of pain receptors throughout the body, helping to decrease neuronal sensitivity to painful sensations, while suppressing the production of proinflammatory cytokines by stimulating the parasympathetic nervous system.

### Creatine Monohydrate:

Creatine plays an important role in mitochondrial energy production. Creatine is converted to phosphocreatine helping to make ATP, thereby buffering intracellular energy stores. Creatine can lead to increased cell division important for the repair process in peripheral sensory nerves.

**Dosing:** It is recommended that two capsules of Percura be taken twice daily.

## Drug-Free Peripheral Nerve Support

Patients who experience severe side effects from certain drug therapies may benefit from the long term administration of Percura.

## Progenitor Cell Pathways

Activation of neuronal progenitor cells through growth factors such as creatine can lead to increased cell division important for the repair process in peripheral sensory nerves.



## Long Term Solutions

As a Medical Food, Percura is specially formulated to address the distinct nutritional requirements of Pain Syndromes using ingredients that are Generally Recognized as Safe (GRAS).

## Physician Formulated

Percura was developed by a team of physicians specializing in Cardiology, Rheumatology and Integrative Medicine.

### Safety Information

Percura is contraindicated in an extremely small number of patients with hypersensitivity to any of the nutritional components of Percura.

**ADVERSE REACTIONS:** Oral supplementation with L-arginine at high doses up to 15 grams daily is generally well tolerated. The most common adverse reactions of higher doses - from 15 to 30 grams daily - are nausea, abdominal cramps, and diarrhea. Percura contains less than 1 gram per dose of amino acids however, some patients may experience these symptoms at lower doses. The total combined amount of amino acids in a capsule of Percura does not exceed 400mg.

**DRUG INTERACTIONS:** Percura does not directly influence the pharmacokinetics of prescription drugs.