Lyprinol®

How does Inflammation affect the body?

When our bodies are injured, the inflammatory process contains the problem and then regenerates or repairs the damaged tissue. However, sometimes this can have an undesirable affect especially, if it is an uncontrolled inflammatory response, such as in asthma and rheumatoid arthritis.

Inflammation is caused by a variety of chemical reactions in the body. One of these involves arachidonic acid which causes inflammation when it converts into other compounds. For example, the 5-lipoxygenase (5-LOX) pathway converts it into leukotrienes and the cyclooxygenases (COX-1 + COX-2) pathway changes it into prostaglandins and thromboxanes.

Leukotrienes are responsible for narrowing the bronchial airways, increasing the production of mucous and causing inflammation and as such, they play a large role in causing asthma and hayfever. Prostaglandins and thromboxanes (together called eicosanoids) cause pain, fever and swelling. They also constrict the bronchi, increase blood flow and bring white blood cells to the inflamed area. Because they remain in the area, they add to the inflammatory process.

Under normal conditions, these fatty acids encourage the production and inflow of granulocytes and macrophages that protect the body and remove the harmful agents via phagocytosis (ingesting of bad cells). Once the inflammation is under control, granulocytes are eliminated and macrophages and lymphocytes return to their normal levels. However, when the immune response malfunctions, it causes damage to the body's tissues and cells. This can result in arthritic conditions such as osteoarthritis and rheumatoid arthritis as well as asthma.

Direction for Use:

Adults and children over the age of 12:
Initially take 2 capsules twice a day with meals for approximately 3-6 weeks or until improvement is felt, then reduce intake to 1-2 capsules per day.

Children 3-12 years:
Take 3 capsules daily with meals for 3 weeks then, take 1-2 capsules per day thereafter.

Please Note:

- This product should not be used as a substitute for a varied diet.
- Characteristic odour and cloudiness may occur and does not affect quality.
- It is recommended that pregnant women and children under 3 years should only use Lyprinol® PCSO-524™ after consultation with a doctor or health practitioner.

Ingredients:

Each capsule contains:
100 mg Olive oil
50 mg Marine Lipid Oil (100% Extract of Perna canaliculus)
0.225 mg Vitamin E

For further information on all Master Health Products visit www.masterhealthproducts.co.za

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NOW IN SOUTH AFRICA

Lyprinol® – a breakthrough treatment for osteoarthritis, rheumatoid arthritis and asthma

Natural Treatment for Osteoarthritis, Rheumatoid Arthritis, Asthma and DOMS

Lyprinol®

The launch of Lyprinol® PCSO-524™ in SA, now offers a natural therapy for people suffering from the inflammatory disease, osteoarthritis, the auto-immune disease, rheumatoid arthritis and asthma. It has been shown to be more effective than certain non-steroidal anti-inflammatory drugs (NSAIDs) while exhibiting none of the side-effects normally experienced during NSAID treatment. One study undertaken at the University of Queensland showed that Lyprinol® PCSO-524™ outdid Indomethacin & Ibuprofen by 2:1[1]. Subsequent trials showed that Lyprinol® PCSO-524™ was 175 times more potent than salmon oil. They also showed it was 200 times more effective than flax oil in controlling arthritic joint swelling.

What is Lyprinol® PCSO-524™?

Lyprinol® PCSO-524™ is a natural marine extract from the oil of the New Zealand green-lipped mussel (Perna canaliculus) and is the most studied natural alternative known to provide relief from inflammatory pain and asthmatic symptoms. Even people who are allergic to seafood and shellfish can safely use Lyprinol® PCSO-524™ as it contains no protein. It is a rare combination of the following five lipid (fat) groups – sterol esters, triacylglycerols, sterols, polar lipids and approximately 30 different free fatty acids. These fats fulfil a variety of functions in the body – they provide energy, aid with inflammation, protect tissues and organs, act as carriers for certain vitamins and regulate body temperature.

Omega 3 Fatty Acids

The omega 3 polyunsaturated fatty acids (PUFAs) are particularly vital in maintaining health. Lyprinol® PCSO-524™ is rich in the omega 3s, eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA), which are known to be potent anti-inflammatory agents. What makes Lyprinol® PCSO-524™ unique is that it contains two additional PUFAs that are not found in fish oil. These are eicosatetraenoic acid (ETA) and octadecatetraenoic acid (OTA)[2].

Osteoarthritis and Rheumatoid Arthritis

All of these omega 3 PUFAs work together to block the production of enzymes that cause inflammation, such as the previously mentioned, 5-lipoxygenase (5-LOX) and cyclooxygenases (COX-1 + COX-2). These enzymes are largely responsible for inflammatory diseases such as osteoarthritis and rheumatoid arthritis. The majority of studies that examined the effects of these omega 3 PUFAs, showed a reduction in joint tenderness, pain, morning stiffness and improved grip ability[3].

A study conducted at the West Glascow Hospital University assessed the effect that Lyprinol® PCSO-524™ had on 30 rheumatoid arthritis and 30 osteoarthritis patients. The results were compelling: 76.7% rheumatoid and 70% osteoarthritis patients showed improvement after the trial. These results were confirmed in additional studies.[4]

Asthma

Lyprinol® PCSO-524™ also helps asthmatics as it prevents the formation of broncho-constricting leukotrienes. These leukotrienes are partly responsible for the production of excessive mucous and the constriction of the bronchial airways. A study conducted at the Pavlov Medical University Hospital in St Petersburg, found the following after only 56 days. There was a 50% reduction in rescue medicine, a 65% reduction in exhaled H2O2 (hydrogen peroxide), a significant decrease in chest tightness and fewer night-time attacks. They concluded that Lyprinol® PCSO-524™ was an effective means of treating inflammation in the airways[5].

Researchers at the Department of Kinesiology at Public Health-Bloomington in the USA did a similar study and their results confirmed these findings[6].

All three of these conditions can be debilitating and reduce the quality of your life. Lyprinol® PCSO-524™, a new addition to the Master Health Product's range, can change this.

DOMS (Delayed Onset Muscle Soreness)

A collaborative study was conducted by researchers from the Professor Dr. Baum Institute in Cologne, Germany and the Australian National University in Canberra, Australia to determine the effectiveness of Lyprinol® PCSO-524™ on DOMS (delayed onset muscle soreness) after a 30 km training run. The subjects were all males between the ages of 30 and 60. DOMS symptoms include pain, restricted movement, less strength, and some swelling. They found that the group who had received Lyprinol® PCSO-524™ experienced less DOMS and lower post-run CK (Creatine Kinase, which adds to fibre deterioration) concentrations. Less experienced runners showed the lowest occurrence of DOMS. They concluded that Lyprinol® PCSO-524™ would be an excellent supplement for older runners to help them endure less DOMS and to recover faster from muscle-induced stress.[7]

References

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