

Ocular Inflammation

Flavay® improved all cases of exudations (oozing fluids) on 147 subjects with retinopathy. (69)

In another study, the effects of taking Flavay® were measured on retinopathy subjects with microaneurysms, hemorrhages, exudations (oozing fluids) and neovascularization after capillary hypoxia. Retinal infectious lesions were stabilized in 80% taking Flavay®. (72)

A review of 26 clinical studies reveals Flavay® significantly improved vascular lesions, microaneurysms, and exudates (oozing fluids) associated with diabetic retinopathy. (71)



Systemic Lupus Erythematosus

A study of persons with systemic lupus erythematosus, shows taking Flavay® (along with usual medications) reduces inflammation associated with lupus. Significant reductions in lymphocyte apoptosis, T-lymphocyte activation, reduced generation of reactive oxygen species (ROS) by neutrophils, lower erythrocyte sedimentation rates, and a decrease in the SLE disease activity index compared to the placebo group. The results show Flavay® can be useful as a second-line therapy to reduce inflammation in systemic lupus erythematosus. (422)

Cardiovascular Inflammation

A double-blind, randomized, placebo-controlled intervention study with male smokers. At baseline after 4 and 8 weeks researchers measured macro- and microvascular function and a cluster of systemic biomarkers for major pathological processes occurring in the vasculature: disturbances in lipid metabolism and cellular redox balance, and activation of inflammatory cells. In the Flavay® group, serum total cholesterol and LDL decreased significantly by 5% and 7% respectively in volunteers with elevated baseline levels. After 8 weeks the ratio of glutathione to glutathione disulfide in erythrocytes rose from baseline by 22% the Flavay® group. Researchers observed Flavay® supplementation exerts anti-inflammatory effects in blood towards *ex vivo* added bacterial endotoxin and significantly reduces expression of inflammatory genes in leukocytes and noted a "significant improvement of overall vascular health." (454)

Flavay.com

Call: 210-481-0067 or 1-800-200-1203



A six-month double-blind, randomized, placebo-controlled study of women recovering from breast surgery found Flavay® improved pain, skin tension and flexibility in movement. (82)



A randomized, controlled trial of soccer players in France who had sustained sports injuries, found those taking Flavay® had significantly less inflammation than the placebo group. (88)

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reduce inflammation

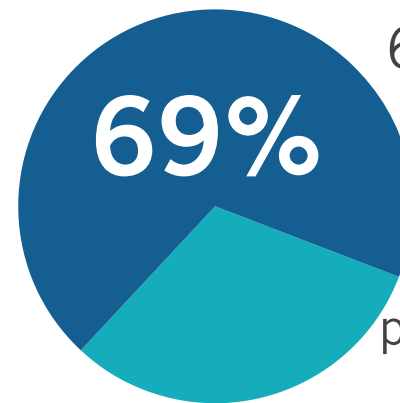


Reduce Inflammation and Edema (Swelling) Safe and Natural Pain Relief

Not only does inflammation cause pain and suffering, but over time it causes tissue destruction and a wide variety of autoimmune diseases. We now understand the correlation between continued active inflammation and arthritis, diabetes, retinopathies, heart disease and Alzheimer's. (14,379-384,407,456)

Inflammation is the immune system's primary reaction to destroy invaders by breaking down the genetic material of bacteria, toxins, and viruses. Inflammation continues until the invaders are eliminated and tissue repair is completed. However, continued active (chronic) inflammation overwhelms the body's cells with oxidative stress and thereby destroys the cell's defense antioxidant systems. (14,456)

How exciting, then, to discover a safe and effective way to fight back against inflammation. Clinically proven to significantly strengthen the antioxidant defense systems, improve intracellular serum total antioxidant activity and reduce inflammatory markers, Flavay® has been sold worldwide for reducing inflammation and edema (swelling) and extensively tested in humans for more than 65 years.



69% of subjects reported
50% pain relief

50% reduction in clinical parameter scores for pain, paresthesias and inflammation in those taking Flavay®

Your joints hurt less and your blood flows better with Flavay®.

inhibits pro-inflammatory mediators

Anti-Inflammatory Mechanisms

Flavay® Inhibits the Destructive Arachidonic Acid Pathway

Important anti-inflammatory mechanisms of Flavay® are the inhibition of pro-inflammatory mediators including phospholipase A2, cyclooxygenase (COX-1 and COX-2), and lipoxygenase thereby reducing destructive ratios and concentrations of prostanoids, leukotrienes and thromboxanes. (Most importantly, this protection comes without the side effects common to NSAIDs.)

(53,185,230,265,274,292,296,302)

Oxidative stress produces an increase in enzymes such as cyclooxygenase (COX) and lipoxygenase (LOX) which are implicated in the release of interleukins and chemokines, and it has been shown that Flavay® inhibits these pro-inflammatory enzymes.

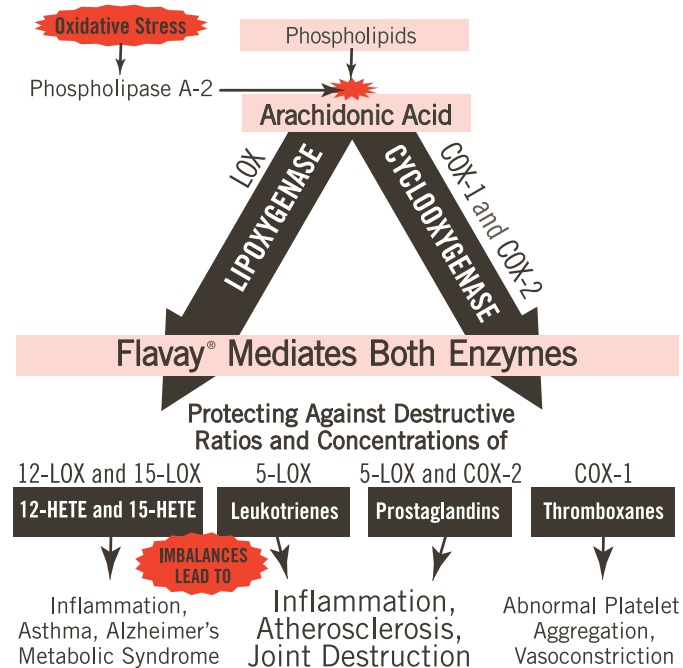
(391,185,230,387,388)

“[A] method for preventing and fighting the harmful biological effects of free-radicals... namely... inflammation... [and] collagen degradation”

—U.S. Patent No. 4,698,360

The Arachidonic Acid Cascade

Flavay® Inhibits Inflammation and Supports Homeostasis



strengthens vessels & reduces leakage

Activates Collagen Production and Inhibits Degradation

Flavay® Strengthens and Tones Veins, Arteries, Capillaries and Lymphoid Tissues

Scientific and clinical research establishes that Flavay® strengthens collagen in vascular walls and capillaries by making the vessels stronger and more elastic. Flavay® is shown to strengthen and rebuild the body's natural collagen proteins and has the remarkable ability to reactivate collagen and elastin. Flavay® is also a strong antioxidant which protects collagen, elastin and hyaluronic acid from over-crosslinking and destructive inflammation-produced enzymes.

(18,25,61,74,81)

Flavay®'s ability to reactivate damaged collagen and elastin is important for all the organs. Collagen is required for normal functioning of the joints, healthy cartilage and bones, smooth gliding surfaces, synovial fluid, normal joint spaces and normal soft tissues surrounding the joints. Collagen is the building block of connective tissue, veins, arteries, ligaments and tendons—and *every tissue and every organ*.

Flavay® selectively binds to collagen in connective tissue of vessels and joints, preventing inflammation and lessening pain. (18,25,61,74,81)

Clinical Studies

Acute Inflammation and Recovery

A double-blind, randomized, placebo-controlled study of women undergoing treatment for lymph-edema resulting from breast cancer surgery found taking Flavay® (600 mg daily for six months) was superior to placebo in improving pain, skin tension, and arm and shoulder movements. (82)

In a double-blind, controlled trial of subjects who had undergone facial cosmetic surgery, those given Flavay® for ten days had significantly less swelling than the placebo-treated group. (73)

In a randomized, controlled trial of soccer players in France who had sustained sports injuries, those treated with Flavay® had significantly less swelling at the injured site over the next ten days than the placebo group. (88)

A similar study of soccer players in Australia also found players who consumed Flavay® for ten days following their injuries experienced significantly less swelling than those who did not, and the swelling completely disappeared in some who were taking Flavay®. (80)

Chronic Inflammation

A review of three French double-blind clinical trials concluded that in subjects with chronic venous insufficiency, Flavay® significantly improved venous function in terms of swelling, pain, paresthesias (burning, numbness, tingling, or prickling) and nocturnal leg cramps. (42,230)

A French study of 4,729 women taking hormone therapy reported that taking Flavay® (300 mg daily for three months) produced significant improvement in venous and lymphatic insufficiency. (59)

A multi-center study of 165 subjects with premenstrual symptoms, including breast tenderness, abdominal swelling, and pelvic pain found taking Flavay® resulted in 60% of subjects reporting improvement in, or cessation of, symptoms after initial treatment; when treatment duration doubled, subjects reporting improvement increased to 78%. (205)

A double-blind study of subjects with chronic venous insufficiency found taking 150 mg Flavay® daily for one month had a more rapid and lasting effect on reducing peripheral edema (swelling) than 450 mg daily of Diosmin. (47)

(Cover graphic:) A double-blind, placebo-controlled study of 92 subjects with chronic venous insufficiency demonstrated improved venous function at a daily dose of 300 mg of Flavay® for 28 days. 69% of those taking Flavay® reported 50% reduction in clinical parameter scores for pain, paresthesias (burning, numbness, tingling, or prickling), nocturnal cramps and edema (swelling). 75% of those taking Flavay® felt it was effective. (48)