

Raw material for your joints

- HELPS RELIEVE PAIN ASSOCIATED WITH OSTEOARTHRITIS
- HELPS PROTECT AGAINST DETERIORATION OF CARTILAGE



Osteoarthritis, the most common form of arthritis, affects cartilage, causing it to fray, wear, and in extreme cases, to disappear entirely, leaving a bone-to-bone joint. Rheumatoid arthritis affects the entire body, including the synovial membranes, which surround the lubricating fluid in the joints. It destroys the cartilage and tissues in and around the joints, and sometimes on the bone surface. Rheumatoid arthritis involves multiple joints and not only results in swelling, stiffness, pain and crippling due to partial dislocation of the joints, but can also cause anemia, fatigue, and weight loss.

Studies suggest that glucosamine sulfate is a building block for cartilage. Glucosamine sulfate is absorbed quickly and easily. Lab tests show it is 98% absorbable and, because the molecules are small and simple, they actually penetrate the cartilage where they can help build the special proteins that keep cartilage strong and healthy. Glucosamine sulfate is used extensively in Europe to treat osteoarthritis.

Numerous published studies document glucosamine's ability to function as a chondroprotective agent. Derived from sea crustaceans, glucosamine provides the raw material needed for chondrocytes to regenerate cartilage. A glucosamine deficiency caused by aging and/or trauma leads to osteoarthritis.

The oral consumption of glucosamine salts provides the raw material needed for joint cartilage synthesis and repair. In nine European studies, the oral administration of glucosamine produced major reductions in joint pain, joint tenderness and joint swelling. Improvements in joint function and overall physical performance were noted in these studies compared to placebo and/or the drug ibuprofen. While ibuprofen worked faster than glucosamine in relieving pain, glucosamine was found to be attributed in the whole joint cartilage matrix.

Chondroitin is made from two sugar-like molecules

that are attached to each other. Long chains of chondroitins form part of the ground substance of cartilage tissue and help to make cartilage resilient to the pressures it experiences from bearing weight. Chondroitin sulfate acts like a “liquid magnet”: it helps attract fluid into the proteoglycan molecules. This is important for two reasons; the fluid sweeps nutrients into the cartilage and the fluid acts as a spongy shock absorber. Chondroitin can protect existing cartilage from a premature breakdown. It does this by inhibiting certain enzymes that destroy cartilage and enzymes that prevent the transport of nutrients. Chondroitin sulfate alone has been found to be effective for osteoarthritis sufferers.

Often just the glucosamine or chondroitin are used by themselves. However they can work synergistically when taken together to stimulate cartilage production and to help control enzymes that destroy the cartilage. Using both of these supplements can help the body heal itself. A glucosamine and chondroitin combination is a powerful weapon against osteoarthritis.

Research of over 300 clinical studies have shown that the ratio of 5:4 of glucosamine & chondroitin enable the formation of spongy shock absorbers within cartilage which decreases the chances of the cartilage becoming susceptible to deterioration.

Each capsule contains:

Chondroitin sulfate (90% by HPLC)	400 mg
Glucosamine sulfate sodium-free	500 mg

Non-medicinal ingredients: Vegetable magnesium stearate and silicon dioxide, in a NON-GMO vegetable capsule composed of vegetable cellulose and purified water.

Contains no: Artificial preservatives, flavours, colours, sugar, milk, starch, wheat, corn, soy or yeast.

Suggested use:

As a dietary supplement, take 1 or 2 capsules daily.

Keep out of reach of children.

*Manufactured under strict GMP (Good Manufacturing Practices)
New Roots Herbal at 1-800-268-9486 or www.newrootsherbal.com*