

EVERFLEX

EverFlex is a natural dietary supplement for joint support that combines glucosamine, MSM (methylsulfonylmethane), chondroitin, and hyaluronic acid for healthy joint function.

Glucosamine plays a key role in the construction of cartilage, the connective tissue that cushions the joints.¹ Glucosamine is an amino sugar that stimulates the synthesis of glycosaminoglycans (the major structural component of cartilage).¹ Glucosamine helps replenish hyaluronic acid and synovial fluid (joint lubricant).² Animal and human studies demonstrate that glucosamine is capable of protecting connective tissues.^{3,4}

MSM is a naturally occurring sulfur compound. Sulfur is required for the production of cartilage.⁵ Although MSM is found in many fresh foods, it is easily destroyed in cooking and processing. Thus, it makes sense to take dietary supplements of MSM to ensure adequate supply in the body.

Chondroitin is a sulfated glycosaminoglycan (GAG) that is important in maintaining the structural integrity of connective tissue. Glycosaminoglycans such as chondroitin are the building blocks of cartilage and joint fluid (synovial fluid).⁶ Chondroitin sulfate is produced by chondrocytes and performs the important function of attracting fluid into the cartilage. This gives cartilage its sponge-like form, thereby making it a good shock absorber and draws nutrients to cartilage thereby promoting growth and regeneration. Evidence suggests that chondroitin sulfate also protects cartilage by inhibiting cartilage-degrading enzymes such as leukocyte elastase.^{3,7} Studies show that chondroitin may slow the progression of joint degeneration, stabilize the joint space width and modulate bone and joint metabolism.³ Chondroitin may also prevent cartilage breakdown by decreasing the migration of polymorphonuclear leukocytes to joints.³

Hyaluronic acid (also known as HA or hyaluronan) is a non-sulfated glycosaminoglycan that occurs naturally throughout the body.⁸ It is found most abundantly in the skin, cartilage, synovial fluid and eyes.³ Hyaluronic acid plays a major role in joint lubrication and in maintaining joint homeostasis² and is critical for the health of the joints. Hyaluronic acid may also enhance the synthesis of chondroitin,⁹ and inhibit the release of enzymes that contribute to the breakdown of cartilage.¹⁰

The nutrients in EverFlex work together to enhance cartilage repair and improve joint function. Complimentary products include EverFlex Pain Cream, which features the cooling relief of menthol plus cetylated fatty acid esters and MSM.

References:

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