Joint Rx™

Comprehensive Joint and Disc Formula

Available in 120 capsules

Clinical Applications

» Promotes Healthy Cartilage Strength and Resilience*

» Supports Optimal Cartilage Matrix Composition*

» Enhances Proper Immune Cell Activity to Support Tissue Surrounding Joints*

Joint Rx™ is a comprehensive joint and disc formula that combines pharmaceutical grade Glucosamine Sulfate and Chondroitin Sulfate with Methylsulfonylmethane (MSM) for healthy cartilage matrix composition, strong connective tissue and possibly joint comfort. [4, 12]

Discussion

Glucosamine sulfate, a chondroprotective agent occurs naturally in all human tissues, supporting or enhancing the synthesis of chondrocytes and of synovial fluid, inhibiting free radical damage and possibly promoting improved circulation in blood vessels leading to the joints. Specifically, glucosamine sulfate’s physiological function appears to be stimulation of the manufacture of cartilage components and deposition of sulfur into the cartilage. However, its exact mechanism of action has yet to be established. Glucosamine sulfate is neither a pain reliever nor anti-inflammatory compound, yet in combination with chondroitin sulfate it may be effective in patients with moderate to-severe knee pain.[1, 2, 3] Glucosamine does not appear to have an effect upon Glucose Tolerance Test or Hemoglobin A1C readings.[4]

Chondroitin Sulfate, a primary proteoglycan, is found in most tissues throughout the body. Certain parts of the chemical structure of chondroitin create a strong electronegative charge that allows it to attract and retain a lot of water. The water retention guarantees cartilage resistance and elasticity. Proteolytic enzymes such as elastase, collagenase and proteoglycanase accelerate damage to joint tissues by breaking down collagen and proteoglycans. An ample supply of proteoglycans counteracts destruction. Chondroitin may also increase the synthesis of other kinds of proteoglycans that constitute the matrix and may partially inhibit the activity of elastase.[5, 6, 7] In addition, it has anti-inflammatory properties and decreases the levels of reactive oxygen species.[8, 9]

Methylsulfonylmethane (MSM) is a naturally occurring, sulfur-containing, water-soluble compound also known as DMSO2. Although more studies have been done on DMSO, its parent compound, MSM clinically appears to have the same therapeutic benefits. In vitro studies demonstrate that MSM has anti-inflammatory and antioxidant properties.[10, 11] MSM has been shown to remain in the blood for up to five times as long as DMSO.[12] In a 12 week randomized, double-blind, placebo-controlled study on 50 patients with knee OA, 3g/day MSM produced significant decreases in WOMAC pain and physical function.[13] (WOMAC is a self-administered 24-question assessment of pain, disability and joint stiffness in knee and hip osteoarthritis).*

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.
Joint Rx™ Supplement Facts
Serving Size: 4 Capsules

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<thead>
<tr>
<th>Ingredient</th>
<th>Amount Per Serving</th>
<th>% Daily Value</th>
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<tbody>
<tr>
<td>Glucosamine Sulfate</td>
<td>1500 mg</td>
<td>**</td>
</tr>
<tr>
<td>Chondroitin Sulfate</td>
<td>1200 mg</td>
<td>**</td>
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<tr>
<td>MSM (Methyl Sulfonl Methane)</td>
<td>1000 mg</td>
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** Daily Value not established.

Other Ingredients: HPMC (capsule) and stearic acid.

DIRECTIONS: Take two capsules twice daily, or as directed by your healthcare practitioner.

DOES NOT CONTAIN: Wheat, gluten, corn protein, yeast, soy, dairy products, artificial colors, sweeteners or preservatives.

CAUTION: Consult your healthcare practitioner before use. Keep out of reach of children. Avoid if allergic to shellfish.

STORAGE: Keep tightly closed in a cool, dry place.

References