

## **Clinical References for Joint Flow/ Joint Flow Lotion**

Arthritis now affects nearly 100 million people in industrialized nations. This epidemic chronic disease often cripples and robs individuals of the quality of their lives. Fortunately, clinical research has uncovered many natural supplement ingredients that can both support and help to rebuild affect tissues. Following is a selection of quotes from the many research papers we used in developing this formulation:

“It is suggested that injectable and/or oral treatment with pure glucosamine sulphate should be considered for the basic therapy of primary or secondary Osteo-arthritis, mainly because it restores articular function to a great extent.” *Current Medical Research & Opinion* 1980: 7

“At the end of the treatment, significantly more patients treated with glucosamine sulfate experienced complete freedom from pain or restricted function; a few patients were reported completely symptom-free.” *Clinical Therapeutics*. 1980: 3

“Their diets are deficient in pyridoxine, zinc and magnesium vs the RDA and copper and folate vs the TAD. These observation, also documented in previous studies, suggest that routine dietary supplementation with multivitamins and trace elements in particular, is appropriate in this arthritic population.” *Journal of Rheumatology*. 1996: 23

Following is a selection of some of the hundreds of studies used in our research and development:

1. Sperling, RI et al. *Arthritis and Rheumatism* 25: 133 (1983)
2. Lee, TH, et al. *New Eng. J Med* 312 (19) 1217-24, May 1985.
3. Kremer, J et al, *Clin Res*. 33: A778, 1985.
4. McCormick, JN et al, *Lancet* 2:508, 1977
5. Aaseth, J, et al, *Selenium In Biology and Medicine* May 1980.
6. McKenzie, LS, et al, *Osteoarthrosis: Uncertain Rationale for Anti-inflammatory Drug Therapy*. *Lancet* 1:908-909, 1976.
7. Vidal y Plana, RR, et al, *Articular Cartilage Pharmacology: In Vitro Studies on Glucosamine and Non-steroidal Anti-inflammatory Drugs*. *Pharmacological Research Communications*. 10(6): 557-569, 1978.
8. *Arthritis Information: Osteoarthritis*. Atlanta, GA. The Arthritis Foundation, Brochure

No. 4040, May 1995.

9. Liang MH and Fortin, P, Management of Osteoarthritis of the Hip and Knee. JAMA 325(2): 125-127, 1991.

10. Mueller-Fabbender, H, et al. Glucosamine Sulfate Compared to Ibuprofen in Osteoarthritis of the Knee. Osteoarthritis and Cartilage 2:61 - 69, 1994.

11. Crolle, G and D'Este, E. Glucosamine Sulphate for the Management of arthosis: A Controlled Clinical Investigation. Current Medical Research and Opinion 7(2): 104-109, 1980.

12. Tapadinhas, MJ, et al, Oral Glucosamine Sulphate in the Management of Arthosis: Report on a Multi-centre Open Investigation in Portugal. Pharmatherapeutica. 3(3): 157-168, 1982.

13. Piptone, VR, Chondroprotection with Chondroitin Sulfate. Drugs in Experimental and Clinical Research 17(1): 3-7, 1991.

14. Mazieres, B, et al. Le Chondroitin Sulfate Dayns le Traitement de la Gonarthrose et de la Coxarthrose. Rev. Rheum Mal Osteoartic 59(7-8): 466-472, 1992.

15. Kerzberg, EM, et al. Combination of Glycosaminoglycans and Acetylsalicylic Acid in Knee Osteoarthrosis. Scandinavian Journal of Rheumatology.

16. Gay, G. Another Side Effect of NSAIDs. JAMA 264(20): 2677-2678, Nov. 1990.

17. Sandler, DP. Analgesic Use and Chronic Renal Disease. New Eng. J. Med. 320: 1238-1243, 1989.

18. Fredericks, Carlton; Arthritis: Don't Learn to Live With It, Grosset & Dunlap, New York. 1981.

19. Charnot, A, et al, Ann. Endocrinol. 32:397, 1971.