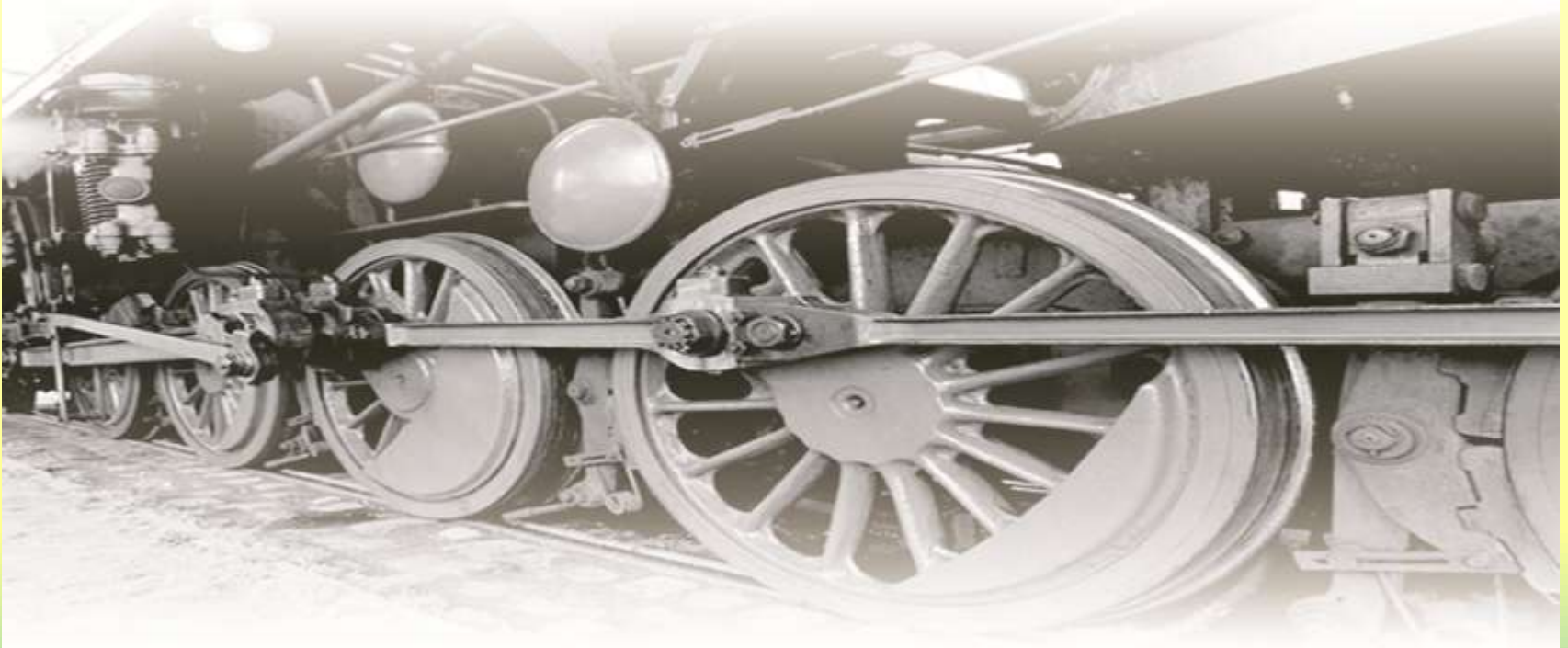


# Alfa Cart



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# What is Alfa Cart

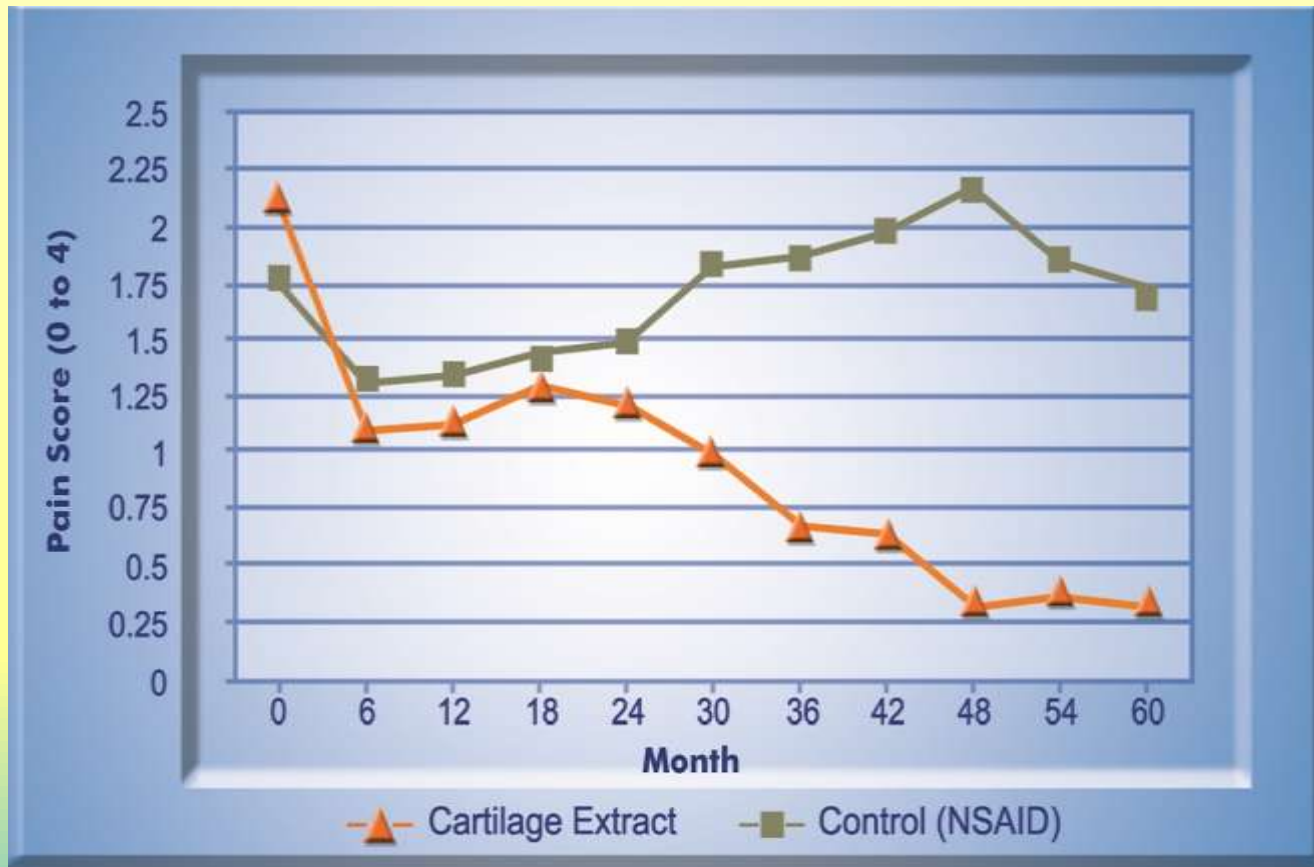
- *grease* ..... For The Joints
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# What is Alfa Cart

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# What is Alfa Cart



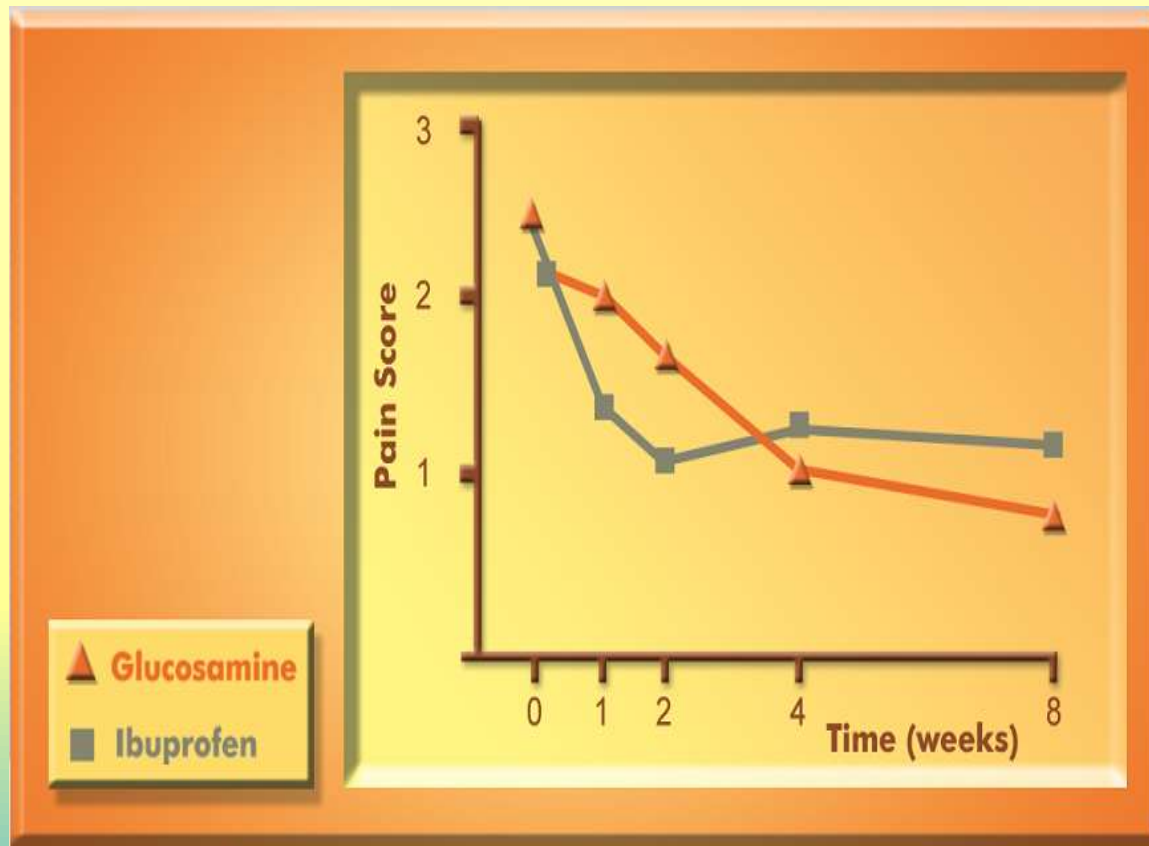


*R.Brown, J.weiss. Annals of rheumatic diseases, Vol.47; 1988*

# What is Alfa Cart



## Double blind clinical evaluation of glucosamine VS Ibuprofen



# What is Alfa Cart



*Glucosamine: a review of its use in the management of osteoarthritis. Matheson AJ, Perry CM. DruAging. 2003;20(14):1041-60*



# What is Alfa Cart



# Cartilage: The Key to Healthy Joints



**□ Collagen**

*National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), " Handout on Health: Osteoarthritis ": July 2010*

# Cartilage: The Key to Healthy Joints

**□ Proteoglycans**

**□ Chondrocytes**

*National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), " Handout on Health: Osteoarthritis ": July 2010*

# Osteoarthritis



*National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), " Handout on Health: Osteoarthritis ": July 2010*

# Osteoarthritis

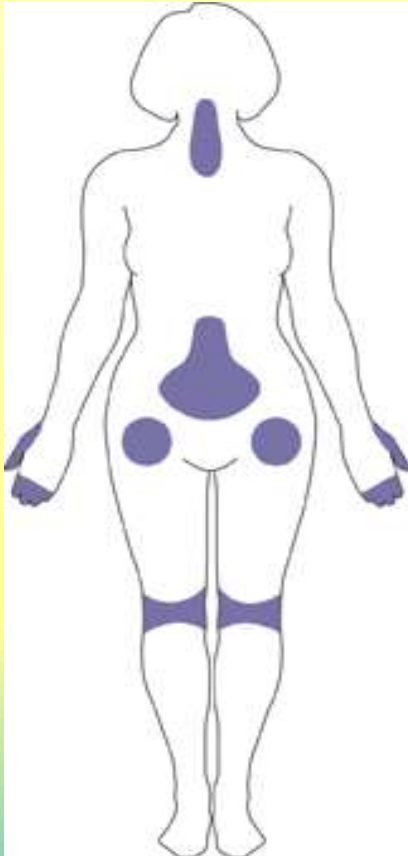


□ ***In osteoarthritis***

*National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), "Handout on Health: Osteoarthritis": July 2010*

# Osteoarthritis

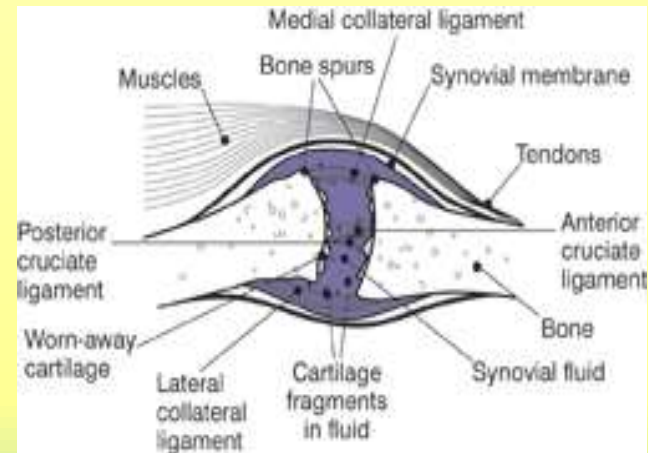
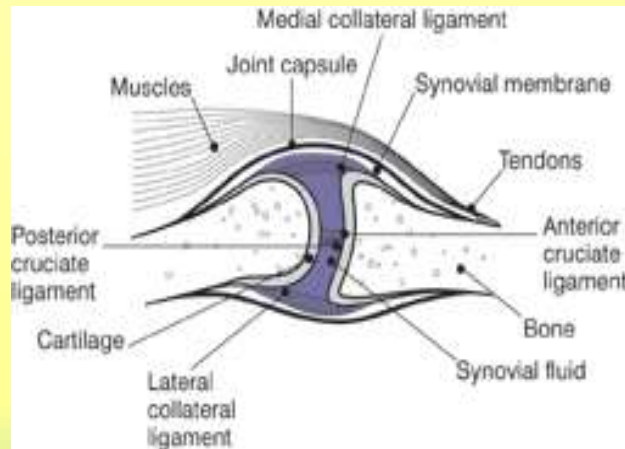
# What Areas Does Osteoarthritis Affect?



*National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), "Handout on Health: Osteoarthritis": July 2010*

*National Institute of Arthritis and Musculoskeletal and Skin Diseases  
(NIAMS), " Handout on Health: Osteoarthritis ": July 2010*





*National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), " Handout on Health: Osteoarthritis ": July 2010*

# Progression Of Osteoarthritis



# Current Treatment's Problems





**Alfa Cart** The Grease For The Joints

# Glucosamine



**Glucosamine**



*Bone and cartilage metabolism research Unit, University of Leige, Belgium. jyreginster@ulg.ac.be  
Lancet 2001 Jan. 27; 357(9252):251-6.*

# Glucosamine



*Bone and cartilage metabolism research Unit, University of Leige, Belgium.  
jyreginster@ulg.ac.be Lancet 2001 Jan. 27: 357(9252):251-6.*

# Chondroitin



## **Chondroitin sulfate**

*A one-year, randomized, double-blind, multicenter study versus placebo Department of Rheumatology, Institute of Physical Medicine, University Hospital Zurich, Switzerland. daniel.uebelhart@usz.ch Osteoarthritis Cartilage. 2004 Apr;12(4):269-76*

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# Chondroitin



*A one-year, randomized, double-blind, multicenter study versus placebo Department of Rheumatology, Institute of Physical Medicine, University Hospital Zurich, Switzerland. [daniel.uebelhart@usz.ch](mailto:daniel.uebelhart@usz.ch) Osteoarthritis Cartilage. 2004 Apr;12(4):269-76*



# Glucosamine and chondroitin sulfate supplementation to treat symptomatic disc degeneration.

*van Blitterswijk WJ, et al; "Glucosamine and chondroitin sulfate supplementation to treat symptomatic disc degeneration" biochemical rationale and case report. BMC Complement Altern Med. 2003 Jun 10;3:2. Epub 2003 Jun 10.*

# Do We Need *Grease*?..



**AlfaCart<sup>®</sup>**  
*The Grease ... For The Joints*

# Thank You



## The Grease For The Joints