

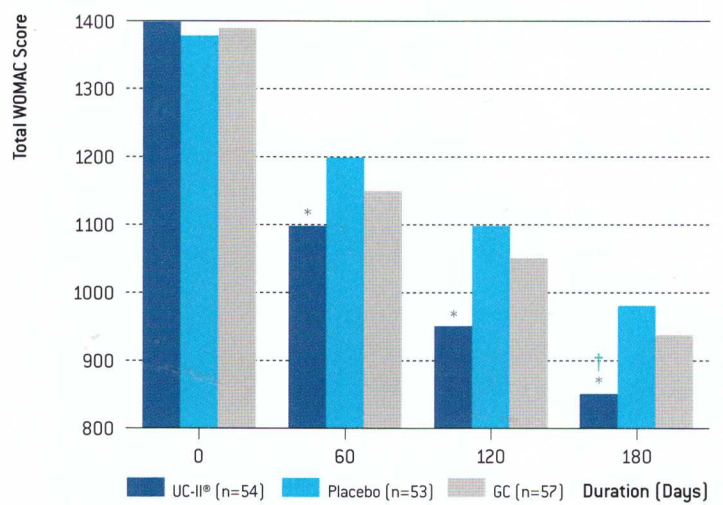
UC-II®

For Joint Health



Statistically Significantly More Effective Than Glucosamine Plus Chondroitin as Measured by WOMAC*

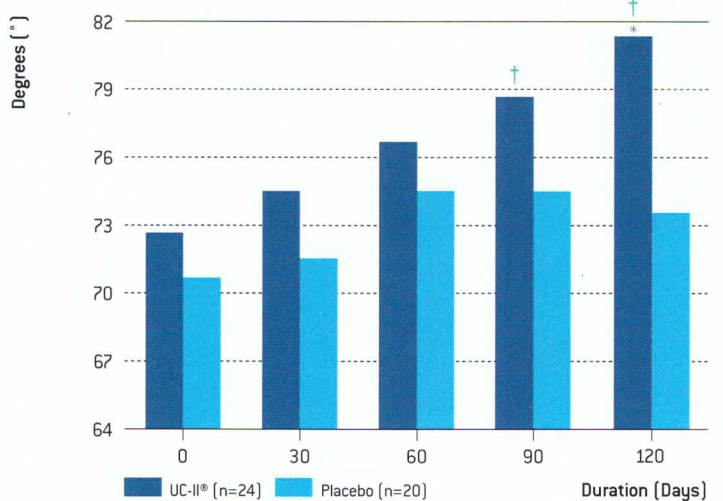
Total WOMAC Score in Subjects with Osteoarthritis



Lugo JP, Saiyed ZM, Lane NE. Efficacy and tolerability of an undenatured type II collagen supplement in modulating knee osteoarthritis symptoms: A multicenter randomized, double-blind, placebo-controlled study. *Nutr J.* 2016;15:14.

Clinically Studied in Healthy, Active Adults

Average Knee Extension in Healthy Subjects



Lugo JP, et al. Undenatured type II collagen (UC-II®) for joint support: a randomized, double-blind, placebo-controlled study in healthy volunteers. *J Int Soc Sports Nutr.* 2013;10:48.

40 mg Once a Day

UC-II® is the Brand Name for Cartilage Containing Undenatured (Native) Type II - Collagen in Powder Form for use as a Dietary Supplement.

* WOMAC (Western Ontario and McMaster Universities Osteoarthritis Index)

1. Statistically Significantly Better Than Glucosamine Plus Chondroitin as Measured by WOMAC

Lugo JP, et al. Efficacy and tolerability of an undenatured type II collagen supplement in modulating knee osteoarthritis symptoms: a multicenter randomized, double-blind, placebo-controlled study. *Nutr J.* 2016;15:14.

2. Clinically Studied in Healthy, Active Adults

Lugo JP, et al. Undenatured type II collagen [UC-II®] for joint support: a randomized, double-blind, placebo-controlled study in healthy volunteers. *J Int Soc Sports Nutr.* 2013;10:48.

3. Small, Once a Day Dosage

Lugo JP, et al. Undenatured type II collagen [UC-II®] for joint support: a randomized, double-blind, placebo-controlled study in healthy volunteers. *J Int Soc Sports Nutr.* 2013;10:48.

4. Unique Mechanism of Action

Lugo JP, et al. Efficacy and tolerability of an undenatured type II collagen supplement in modulating knee osteoarthritis symptoms: a multicenter randomized, double-blind, placebo-controlled study. *Nutr J.* 2016;15:14.

Lugo JP, et al. Undenatured type II collagen [UC-II®] for joint support: a randomized, double-blind, placebo-controlled study in healthy volunteers. *J Int Soc Sports Nutr.* 2013;10:48.

Bagi C.M. Osteoarthritis - Opportunities for nonsurgical therapies. Presented at *8th International Conference of Orthopedic Surgeons and Rheumatology*, March 22-23, 2017 Rome, Italy.

5. Sourced & Manufactured in the USA

UC-II® production site (Arkansas) holds a NSF facility GMP certificate.

6. Patents

US Patents 9,066,926, 7,846,487 and 7,083,820; EP Patent EP 1 435 906; Canadian Patent CA 2459981C; and Japanese Patent JP 4800574 B2 and other granted patents and pending patent applications.

7. Safety Profile

Marone PA, et al. Safety and toxicological evaluation of undenatured type II collagen. *Toxicol Mech Meth.* 2010;20:175-189.

8. EU: Confirmed That UC-II® is not Novel in the Application of Food Supplements

Self-affirmed GRAS Since 2009

FDA New Dietary Ingredient (NDI) Notified and Published.

Completed Safety Tests			
Human & Animal Studies	✓	90 Day Toxicity Study	✓
Acute Oral Toxicity	✓	Mouse Lymphoma Assay	✓
Primary Eye Irritation	✓	Ames Bacterial Assay	✓
Primary Skin Irritation	✓	Acute Dermal Toxicity	✓



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