

UC-II® For Joint Health



40 mg Once a Day

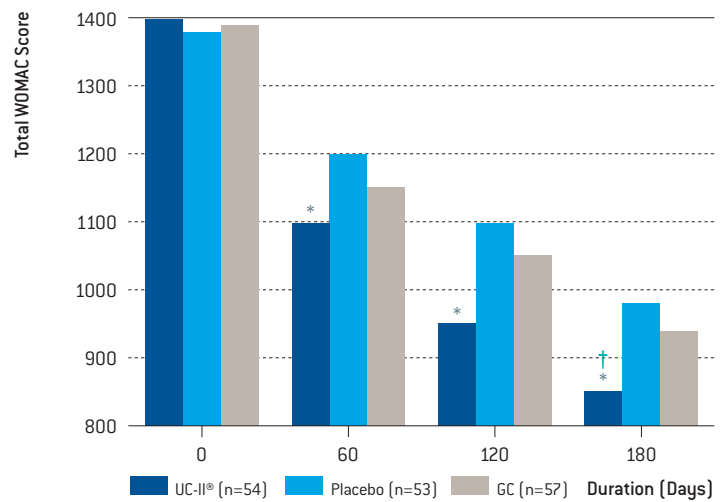
UC-II® is the brand name for cartilage containing undenatured (native) Type II - collagen in powder form for use as a dietary supplement.

* WOMAC (Western Ontario and McMaster Universities Osteoarthritis Index)

English/EU/ROW

Statistically significantly more effective than Glucosamine plus Chondroitin as Measured by WOMAC*

Total WOMAC Score in Subjects with Osteoarthritis

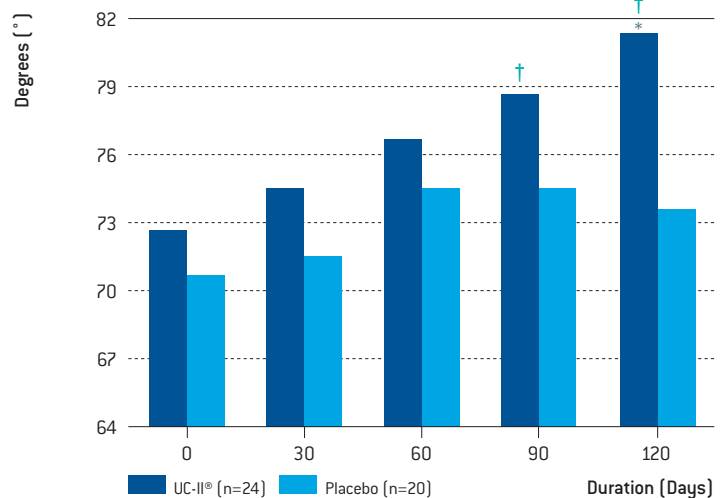


* p<0.05 vs. Placebo † p<0.05 vs. GC

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



* p<0.05 vs. Placebo † p<0.05 vs. Baseline

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.

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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