

COLLA MOUV[®] PLUS[®]

**6 POWERFUL INGREDIENTS.
ONE COMPLETE JOINT SOLUTION.**



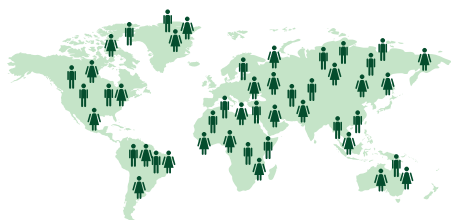
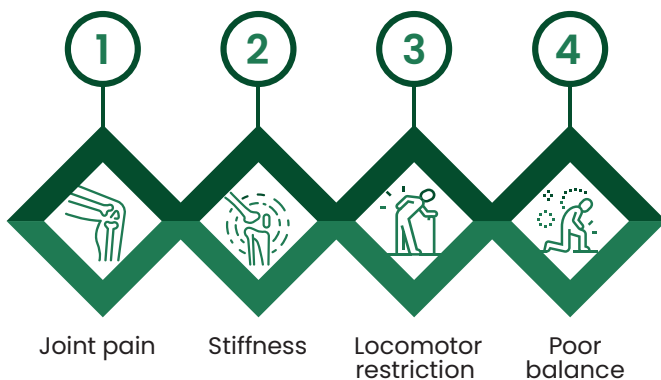
BACKED BY KÖLLIGREICH[®] – BIOAVAILABLE COLLAGEN
MATRIX FOR EVERYDAY MOBILITY.

 **Bayerische Heilmittel**
Wissenschaften GmbH

WHAT IS OA?

Osteoarthritis (OA) is the commonest form of arthritis. However, the age of disease onset, sequence of joint involvement and disease progression vary from person to person.¹

SYMPTOMS:²



GLOBAL INCIDENCE:

Globally, approximately **528 million** people are affected by OA.



With some studies reporting higher rates of **654 million** 95% CI 565745 in individuals 40 years of age and older.



The knee is the most commonly reported site of OA, with an estimated **3,650,000** (3,150,000 to 4,170,000) prevalent cases in 2019³

OA IS AN AGE- RELATED DISEASE:

According to the American Association of Neurological Surgeons (AANS):

50% of people over the age of 65 show evidence of OA in at least one joint on their X-rays studies⁴



COLLA MOUV^{PLUS}[®]

**6 POWERFUL INGREDIENTS.
ONE COMPLETE JOINT SOLUTION.**

CollaMouv Plus[®] is The ALL-in-ONE formula that contains all required ingredients to provide extra support for joints' health against Osteoarthritis

COLLAMOUV PLUS[®] CONTAINS:

- Hydrolyzed collagen type II (Kölligreich[®])
- Glucosamine sulfate
- Chondroitin sulfate
- Rosehip extract
- Nettle extract
- Sodium hyalurnate plus essential vitamins



CollaMouv[®] Plus is an all-in-one food supplement, expertly formulated with 6 key ingredients to support joint health and mobility.

Designed for those experiencing joint discomfort or age-related wear, the formula provides comprehensive support for cartilage, connective tissue, and overall joint function.

Powered by Kölligreich[®] hydrolyzed collagen and enriched with scientifically supported nutrients, CollaMouv[®] Plus complements your daily movement with strength and flexibility.

COLLAMOUV PLUS[®] WILL BRING AGAINST OA DISEASE:



Powerful Synergetic impact
to support joints

Anti-inflammatory effect
comparable to NSAIDS

**COLLA
MOUV^{PLUS}[®]**

High safety and tolerability

Better compliant and cost
effective

POWERFUL SYNERGETIC IMPACT:

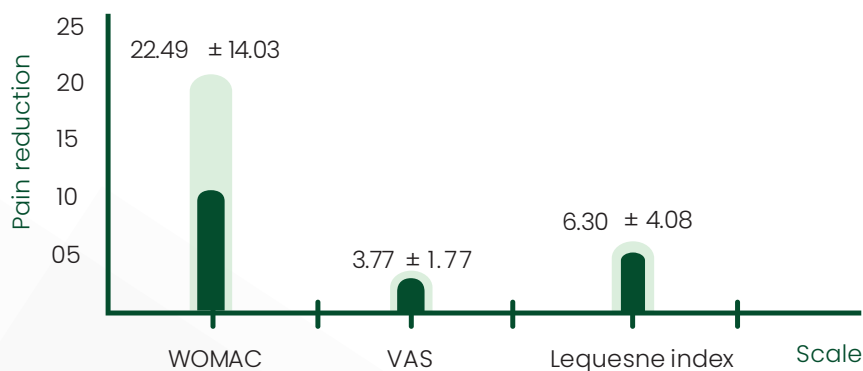
01. Impact on pain and functional capacity.

Effectiveness of Hydrolyzed Collagen, Chondroitin Sulfate, and Glucosamine in Pain Reduction and Functional Capacity in Osteoarthritis Patients⁷

An observational, open, multicenter clinical trial with a single treatment group aimed to evaluate the effectiveness of hydrolyzed collagen, chondroitin sulfate, glucosamine sulfate in 130 patients with osteoarthritis (OA) of the knee.

Results:

After 6 months of treatment, a reduction of pain was recorded by 3.77 ± 1.77 points ($p < .0001$) in the VAS index, 6.30 ± 4.08 points ($p < .0001$) in the Lequesne index and 22.49 ± 14.03 points ($p < .0001$) in the WOMAC index.



Conclusion:

Treatment with this combination significantly reduces pain and improves locomotor function in patients with OA of the knee and/or hip.



02. Impact on synovial fluid features.

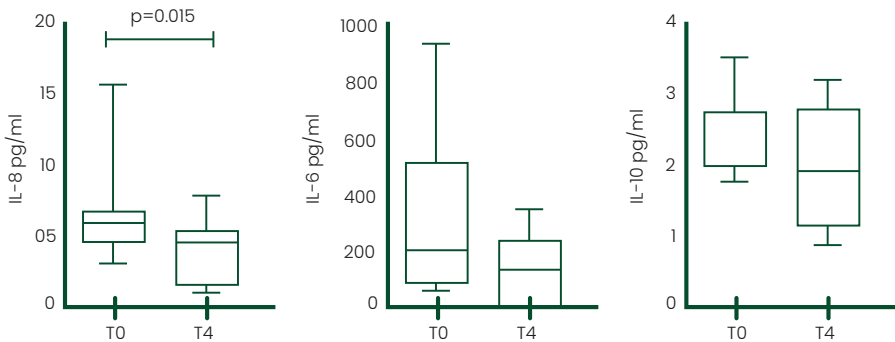
Effect of an oral hyaluronic acid, chondroitin sulfate, hydrolyzed collagen type II on synovial fluid features and clinical indices in knee osteoarthritis ⁸

Two groups of OA patients (N.30) were divided to take a combination of containing hyaluronic acid, chondroitin sulfate, hydrolyzed collagen type II and the other group (Control group) was only submitted to arthrocentesis. SF changes were evaluated by measuring local inflammatory indices, cytokines IL-1 , IL-8, IL-6, IL-10

Results:

The treated group with the combination showed a reduction of IL-8 ($p=0.015$), IL-6 and IL-10 levels after collection of synovial fluid and improvement in the clinical indices WOMAC ($p<0.01$), Lequesne ($p=0.014$) and VAS pain ($p<0.01$)

On the contrary, no significant changes were found in the control group, while no changes in cytokines were observed in the control group



Changes in IL-8, IL-6 and IL-10 SF after 4-weeks of treatment

Conclusion:

A combination of hyaluronic acid, chondroitin sulfate, hydrolyzed collagen type II can improve some clinical parameters and affect cytokine concentrations in SF in patients with knee OA



PROVIDE COMPARABLE ANTI-INFLAMMATORY EFFECTS TO NSAIDS:

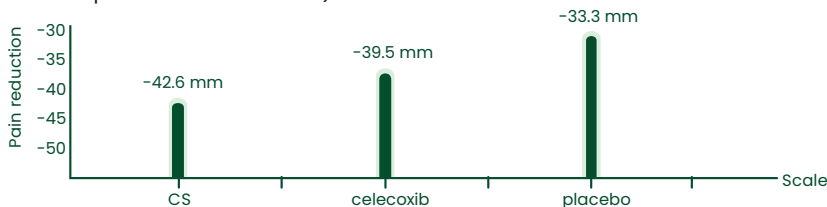
01.

Chondroitin sulfate is as effective as celecoxib and superior to placebo in symptomatic knee osteoarthritis: The Chondroitin versus Celecoxib versus Placebo Trial¹³

A prospective, randomized, 6-month, 3-arm, double-blind, double-dummy, placebo and controlled trial assessing changes on 604 OA patients

Results:

Pain reduction in VAS score in the CS group (-42.6 mm) and in celecoxib group (-39.5 mm) was significantly greater than the placebo group (-33.3 mm) ($p=0.001$ for CS and $p=0.009$ for celecoxib)



Conclusion:

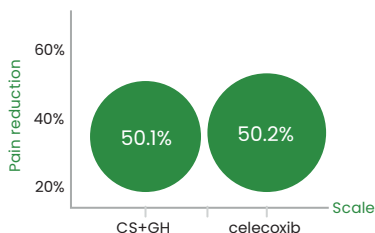
CS is superior to placebo and similar to celecoxib in reducing pain and improving function over 6 months in symptomatic knee osteoarthritis (OA) patients.

02.

Glucosamine plus chondroitin showed comparable efficacy to celecoxib in patients with painful knee OA⁹

Combined chondroitin sulfate and glucosamine for painful knee osteoarthritis: a multicenter, randomized, double-blind, non-inferiority trial versus celecoxib on 606 OA patients

The adjusted mean change 95% CI in WOMAC pain was -185.7 (-200.3 to -171.1) 50.1% decrease with CS+GH and -186.8 (-201.7 to -171.9) 50.2% decrease with celecoxib



Conclusion:

Both groups elicited a reduction >50% in the presence of joint swelling; a similar reduction was seen for effusion.





03.

50 mg of Nettle Extract is as effective as 150 mg of diclofenac at reducing the clinical symptoms of acute arthritis ¹⁰



04.

The anti-inflammatory power of Rosehip is reported to be similar to that of indomethacin, although its mode of action is different ¹¹



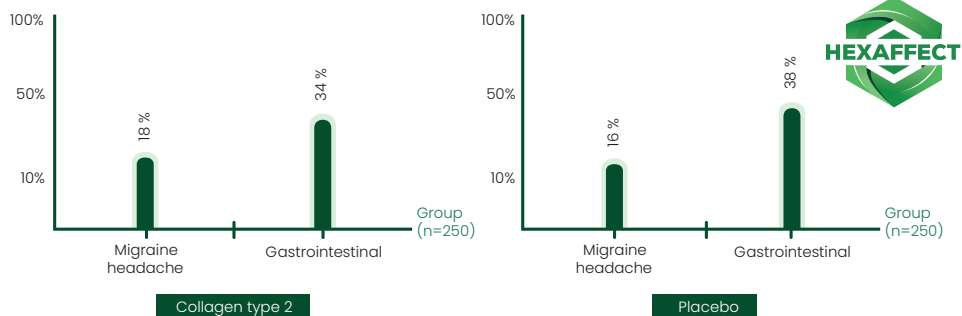
05.

For pain with physical activity and functional performance, hyaluronate sodium may be superior to NSAIDs ¹²

SAFETY OF COLLAMOUV PLUS®

01.

A randomized controlled trial on the efficacy and safety of a food ingredient, collagen hydrolysate, for improving joint comfort ¹⁴



Conclusion:

There is no statistically different between Collagen group vs placebo in terms of adverse events

02.

For Forty-three randomized controlled trials including 4,962 participants treated with chondroitin and 4,148 participants given placebo or another control were included. The majority of trials were in knee OA ¹⁵

Chondroitin in combination with glucosamine did not result in statistically significant differences in the numbers of adverse events, withdrawals due to adverse events, or in the numbers of serious adverse events compared with placebo or with an active control.

BETTER COMPLIANT AND COST EFFECTIVE

Since Geriatric people are the most patients expose and suffer from Osteoarthritis, many factors can adversely affect their medication continuity such as:



Financial burden
due to polypharmacy



Multiple timings
of medications



Fear of adverse
drug effects



An important method for simplifying medical regime is to prescribe single daily dose of drugs ⁶

Hence, CollaMouv Plus® with only one shot per day will support joints with all essential ingredients required against OA in a simplified and cost effective way without the need for any additional supplements.

COLLA MOUV PLUS[®]



Ingredient	Role
Hydrolyzed Collagen type	• Collagen type II is the main component of the joint cartilage • Orally administered collagen can promote cartilage repair and reduce inflammation • Collagen hydrolysate stimulates a statistically significant increase in synthesis of extracellular matrix macromolecules by chondrocytes ($p < 0.05$ compared with untreated ones)¹⁶
Chondroitin Sulfate	• Chondroitin sulfate provides precursors to stimulate synthesis of articular cartilage and inhibits degradation and improves healing of articular cartilage.¹⁷ • Chondroitin sulfate reduces inflammatory signs and symptoms and delays the progression of cartilage destruction in patients with osteoarthritis.¹⁸
Glucosamine Sulfate	• Glucosamine enhances the production of cartilage matrix components in chondrocyte culture, such as collagen type II¹⁹ • Glucosamine increases hyaluronic acid production in synovium explants²⁰ • Glucosamine prevents collagen degeneration in chondrocytes by inhibiting lipoxidation reactions and protein oxidation²¹
Sodium Hyalurnate	• Is a derivative of Hyaluronic acid that exists in high amounts in the human body in the ECM of soft connective tissues²² • Oral hyalurnate sodium can relief symptoms of osteoarthritis-affected knees, and is associated with a reduction in the use of NSAIDs and anti-pain drugs²³ • For pain with physical activity and functional performance, hyaluronate sodium may be superior to NSAIDs¹²
Nettle extract	• Nettle leaf, also called <i>Urtica dioica</i>, has been used in traditional medicine for many centuries and can reduce the pain and disability associated with osteoarthritis²⁴ • 50 mg of stewed <i>Urtica dioica</i> plus 50 mg of diclofenac is as effective as 200 mg of diclofenac at reducing the clinical symptoms of acute arthritis¹⁰
Rose hip	• The rose hip or rosehip, also called rose haw and rose hep, is the accessory fruit of the various species of rose plant. • Rosehip is very rich in vitamins (A, B, C, D, and E), minerals (Ca, Fe, K, Mg, Mn, S, Si, and Se), polyphenols, and has high antioxidant capacity^{25,26,27} • Rosehip has anti-inflammatory actions that do not have ulcerogenic effects and do not inhibit platelets nor influence the coagulation cascade or fibrinolysis²⁸ • The Daily Telegraph stated that researchers have found that a powder made from <i>Rosa canina</i> (a wild variety of rosehip) is three times more effective than standard paracetamol at relieving pain • The anti-inflammatory power of rosehip is reported to be similar to that of indomethacin, although its mode of action is different¹¹
Vitamin C	• Vitamin C intake was shown to have a beneficial effect by reducing the bone size and bone marrow lesions, both of which are important in knee OA's pathogenesis²⁹ • Subjects within the lowest quartile of vitamin C intake had a 3.29 times higher risk of developing OA in their lifetime than did subjects in the high quartile (The recommended daily dose of vitamin C is 90 mg)³⁰
Vitamin K	• There is a strong association between low plasma levels of vitamin K and increased prevalence of OA manifestations in the hand and knee³¹
Calcium Carbonate	• According to Johns Hopkins Arthritis center recommends using Vitamin D and Calcium for those suffering from arthritis

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**6 POWERFUL
INGREDIENTS
ONE COMPLETE
JOINT SOLUTION**



14 x 25ml
also available
in 30 x 25ml
pack

**CollaMouv Plus[®] is The All In One Formula that will
provide several merits:**

Support joints against OA
disease with powerful
synergetic effect

Anti-inflammatory
effect comparable to
NSAIDS

COLLA
MOUV[®]
PLUS[®]

High safety and tolerability

Better compliant and
cost effective

Dose:

- a) One bottle per day after breakfast
- b) Shake well before use

Storage condition:

Store in cold and dry place, do not exceed
25 °C

Warning:

- a) Do not exceed the recommended daily dose
- b) Food supplements should not be used as a substitute for a varied and balanced diet and a healthy life style



Bayerische Heilmittel
Wissenschaften GmbH

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BHW Bayerische Heilmittel Wissenschaften
GmbH, Germany.

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