

Tendaxion

Tendon health ingredient

Use: **tendon health** Application: **dietary supplements**
Dose: **520mg/day (440mg/day MPS + 80mg/day collagen)***

*Recommended with 60mg vitamin C

Tendaxion is a **science-backed solution for tendon health and recovery**. It contains a specific formula of mucopolysaccharides (MPS) and collagen, which helps to maintain the biochemical properties of the tendons. For optimal results, Tendaxion may be used in combination with physical exercise in individuals experiencing reactive or recurrent tendinopathies.

The impact of tendinopathies

Tendons are soft, fibrous tissues that connect muscle to bone. Their key function is to transfer muscle generated force to the bony skeleton, facilitating movement around joints.¹

Collagen is the main component in tendons (65-80%, dry weight). Other components include, but are not limited to, tendon cells such as tenocytes and tenoblasts, mucopolysaccharides and calcium.²

Tendinopathy is a tendon injury that results in **pain, reduced ability to exercise and functional disability**.

30-50% of sports-related injuries are tendinopathies³



15-30% of tendinopathies are caused by workplace activities³

The solution: Tendaxion

Tendaxion supports tendon health by providing a source of nutrients important for tendon maintenance. Dietary supplementation is recommended in conjunction with 60mg vitamin C.



Promotes healthy tendon structure^{4,5,6}



Lowers reliance on analgesics⁶



Optimises results of physical therapy⁷



Speeds up recovery time⁸



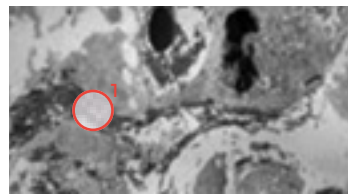
Reduces tendinopathy discomfort^{6,7,8}

1. Promotes healthy tendon structure

The administration of Tendaxion is believed to contribute to tissue organisation in tendons, helping to return them to their mature functional structure.

Torrent, A et al. Arthritis Rheumatol, 2011;63:1897.

Negative control (IL-1 β) (14 days)



1. Disorganised extracellular matrix

Treatment with Tendactive and IL-1 β (14 days)



2. Aligned collagen fibres

Fig 1. Ultrastructural analyses of collagen fibrils organisation by TEM.

2. Reduces tendon discomfort

A significant reduction in discomfort is observed in the first month of Tendaxion supplementation, reaching a discomfort reduction of 81% after three months supplementation.

Arquer, A et al. Apunts Med Esp, 2014;49:31-36.

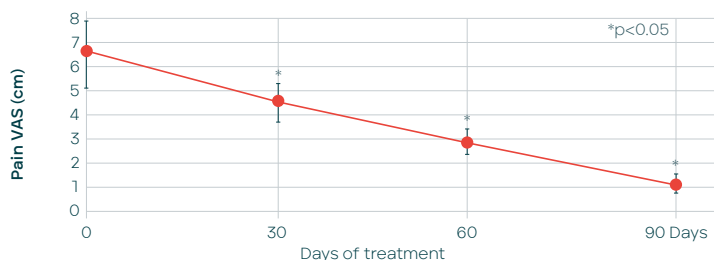


Fig 2. Evolution of the VAS pain scale in patients with lateral epicondyle tendinopathy. Data was recorded during activity over 90 days following supplementation with Tendaxion.

3. Optimises outcomes of physical therapy

When combined with physical therapy, Tendaxion provides additional benefits linked to pain relief, compared to physical therapy alone.

Balius, R et al. Curr Ther Res Clin Exp, 2016;78:1-7.

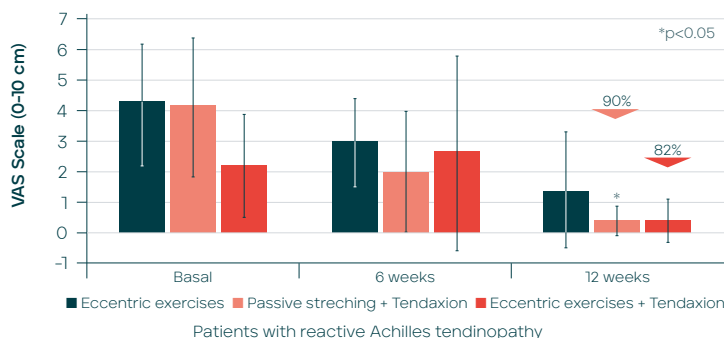


Fig 3. Individuals supplemented with Tendaxion and undergoing eccentric exercises experienced a significant improvement in VAS-rated pain at rest.

4. Speeds up recovery

A significant reduction in functional disability is observed with Tendaxion supplementation (plus rehabilitation) in patients experiencing supraspinous tendinopathy, compared to the control group.

Nadal, F et al. Osteoarthritis Cartilage, 2009;17:S253.

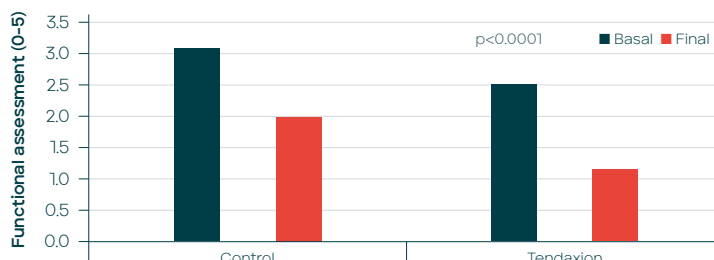


Fig 4. Functional assessment of patients with supraspinous tendinopathy.

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References 1) Thorpe & Screen. Adv Exp Med Biol, 2016;920:3-10. 2) Weinreb et al. Muscles, ligaments and Tendons Journal, 2014;4:66-73. 3) Trauma Fund MAPFRE, 2011;22:12.21. 4) Shakibaei et al. Histology and Histopathology, 2011;26:1173-1185. 5) Torrent et al. Arthritis Rheumatol, 2011;63:1897. 6) Arquer et al. Apunts Med Esp, 2014;49:31-36. 7) Balius et al. Curr Ther Res Clin Exp, 2016;78:1-7. 8) Nadal et al. Osteoarthritis Cartilage, 2009;17:S253.

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To support tendon health using Bioiberica's Tendaxion, contact us today.

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