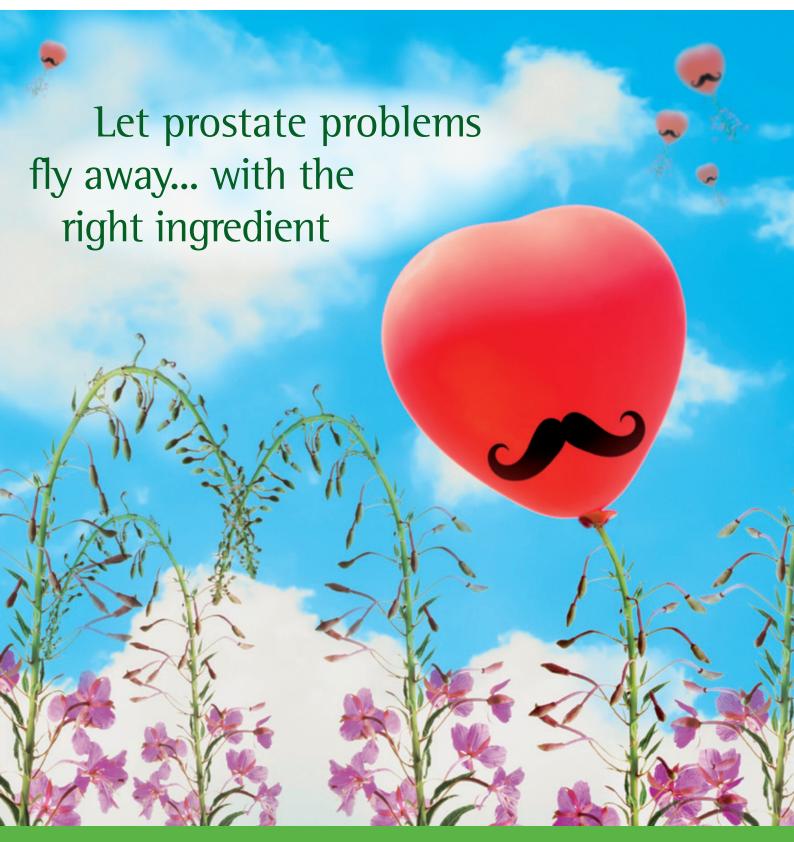


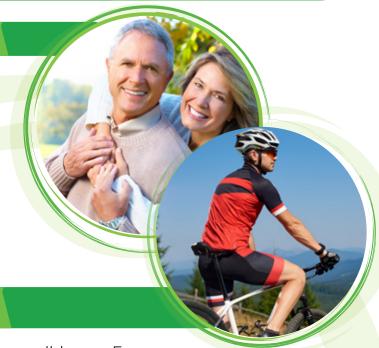
FOR MALE WELLNESS



ENOTprost® is a dry extract with a very rich phytocomplex containing more than 15% of Oenothein B

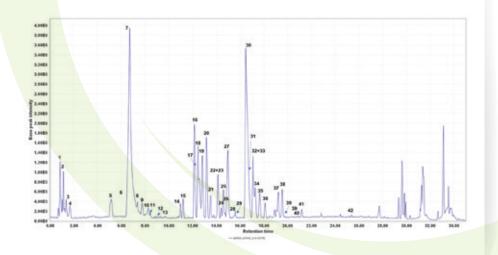
PROSTATIC AILMENTS

Prostatic ailments are among the most common urologic problems in adult males. BPH (benign prostatic hyperplasia) is the third most frequent urologic diagnosis in men over 50, although prostatitis can also affect young people, especially sportsmen and cyclists. Prostatic ailments share inflammation and oxidative stress as risk factors and cause of chronicity.



EPILOBIUM

Epilobium angustifolium L. (Onagraceae) is a well-known European plant traditionally used for prostatic ailments such as prostatitis and BPH. ENOTprost® is a dry extract with a very rich phytocomplex containing more than 15% of Oenothein B. It is a strong anti-inflammatory and antioxidant ingredient for innovative food supplements.



The first Epilobium dry extract standardized to contain 15% Oenothein B

The metabolic profile of ENOTprost® was analyzed by means of UHPLC- LTQ Orbitrap and 42 compounds were identified: 8 organic and phenolic acids, 1 sugar, 1 tannin, 3 ellagitannins and 29 flavonoids. Moreover, miquelianin, the major flavonoid glycoside that only characterizes the *E. angustifolium* species, was found (Esposito et al., 2021).

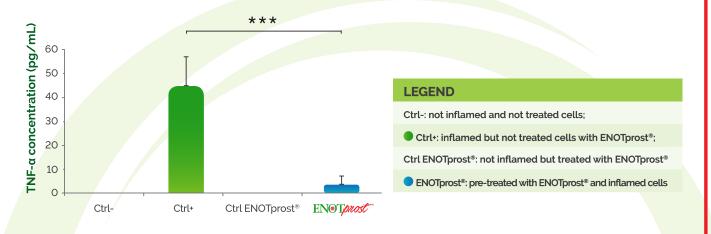
The bioaccessibility and bioavailability studies suggested the use of a gastro-resistant dosage form, since polyphenols suffered from degradation after both oro-gastric and duodenal digestion processes (Dacrema et al., 2020).

IN VITRO STUDY

ENOTprost® has proven strong antioxidant and anti-inflammatory activities

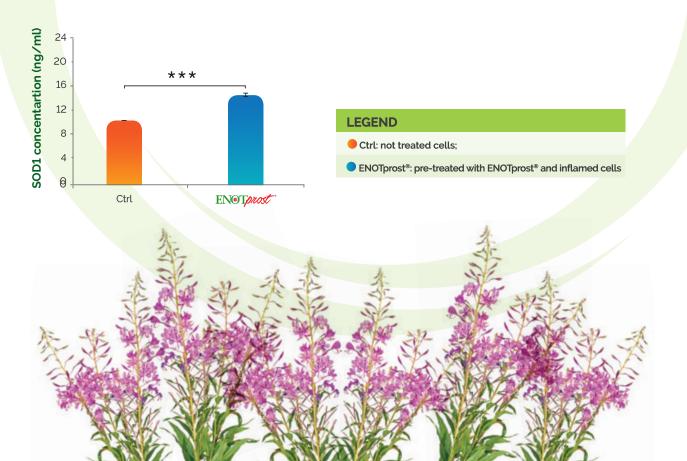
ENOTORIO HAS STRONG ANTI-INFLAMMATORY ACTIVITY

In vitro tests demonstrated that pre-treatment of prostatic cells with ENOTprost® followed by LPS-induced inflammation, strongly reduces TNF- α production. TNF- α is one of the most important pro-inflammatory cytochines (Insolia et al., 2020).



ENOTORIO ENHANCES CELLULAR ANTIOXIDANT DEFENSE

In vitro test demonstrated that treatment of prostatic cells with ENOTprost® enhances cellular antioxidant defenses by increasing the level of SOD1. This enzyme is one of the most important endogenous antioxidant defense mechanisms (Insolia et al., 2020).

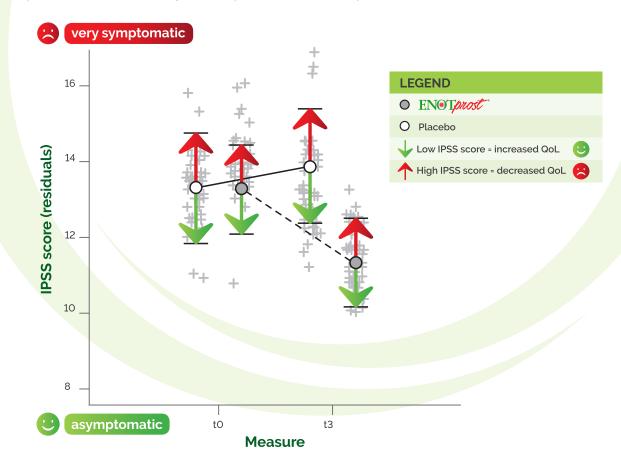


CLINICAL TRIAL

A monocentric, randomized, double-blind, placebo-controlled clinical trial was conducted on 128 Italian volunteers with BPH to demonstrate the effects of ENOTprost[®].

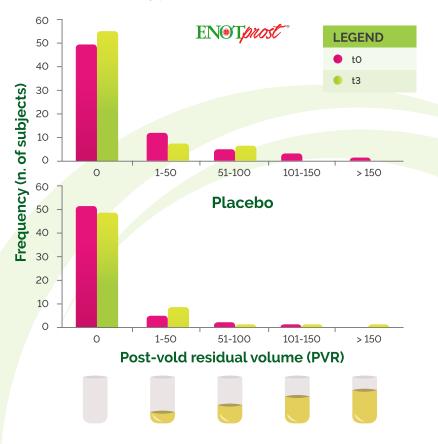


The International Prostate Specific Score (IPSS) is a validated questionnaire to assess BHP symptoms in men with urinary complaints. The score can range from 0 to 35, indicating asymptomatic to very symptomatic subjects. The results are represented by arrows to indicate generally the QoL (Quality of Life) of participants.



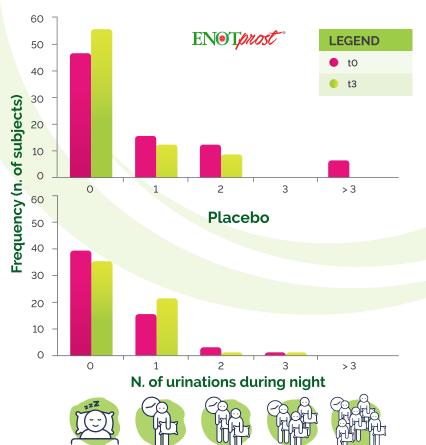
IPSS score significantly decreased by nearly 2 points between to and t3 in the ENOTprost® treated group and slightly increased (0.6 points) in the placebo group, showing an improvement in the quality of life of the subjects treated with the ENOTprost® and highlighting the protective effect of this supplementation.

Subjects with BPH may have difficulties in bladder emptying. The narrowing of the urethra may cause acute/chronic urinary retention, which is the most important complication associated with BPH. The bladder post-void residual volume (PVR) was monitored by prostate ultrasound to assess the efficiency of bladder emptying.



In the ENOTprost® group the number of subjects with a low residual urine volume in the bladder significantly increased, while there was a decreasing in the number of subjects with residual urine volume higher than 100 ml.

Nocturia (the need to urinate two or more times per night) is a serious problem with a high impact on the quality of sleep, leading to sleep disorders, decreased quality of life and depression.



In the ENOTprost® group, the frequency of subjects without urination overnight increased by 21,7%, whereas it decreased by 10.2% in the placebo group.

Moreover, the number of subjects urinating three or more times per night was completely wiped out in the treated group but remained unchanged in the placebo group.



THREE MAIN REASONS TO CHOOSE EPO EXTRACTS:



- Manufacturing process entirely made in Italy
- Full traceability from the field to the final packaging
- Production chain checked at every step
- Accurate quantification of bioactive compounds by sophisticated analytical methods
- Compliance with EU legislation on Food and Food Supplements



- Botanical species certified by DNA barcoding analysis
- No harmful solvent used in the manufacturing process



Pre-clinical and clinical studies proving its prostate-specific activity





EN@Torost* technical datasheet is available at www.eposrl.com

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