

La Renon



*Opening up
a Ray of
Hope*

QUUROZYME

Co enzyme Q10 60 mg, L-Carnitine L-Tartrate 1000 mg, Lycopene 2500 mcg, Zinc Oxide 12.5 mg Tablets

Article:- II

L- carnitine in idiopathic asthenozoospermia: a multicenter study².

♂ **Objective:**

The aim of the study was to evaluate possible effect of L-carnitine on spermatozoa motility in a group of patients with unexplained asthenozoospermia in four different infertility centres.

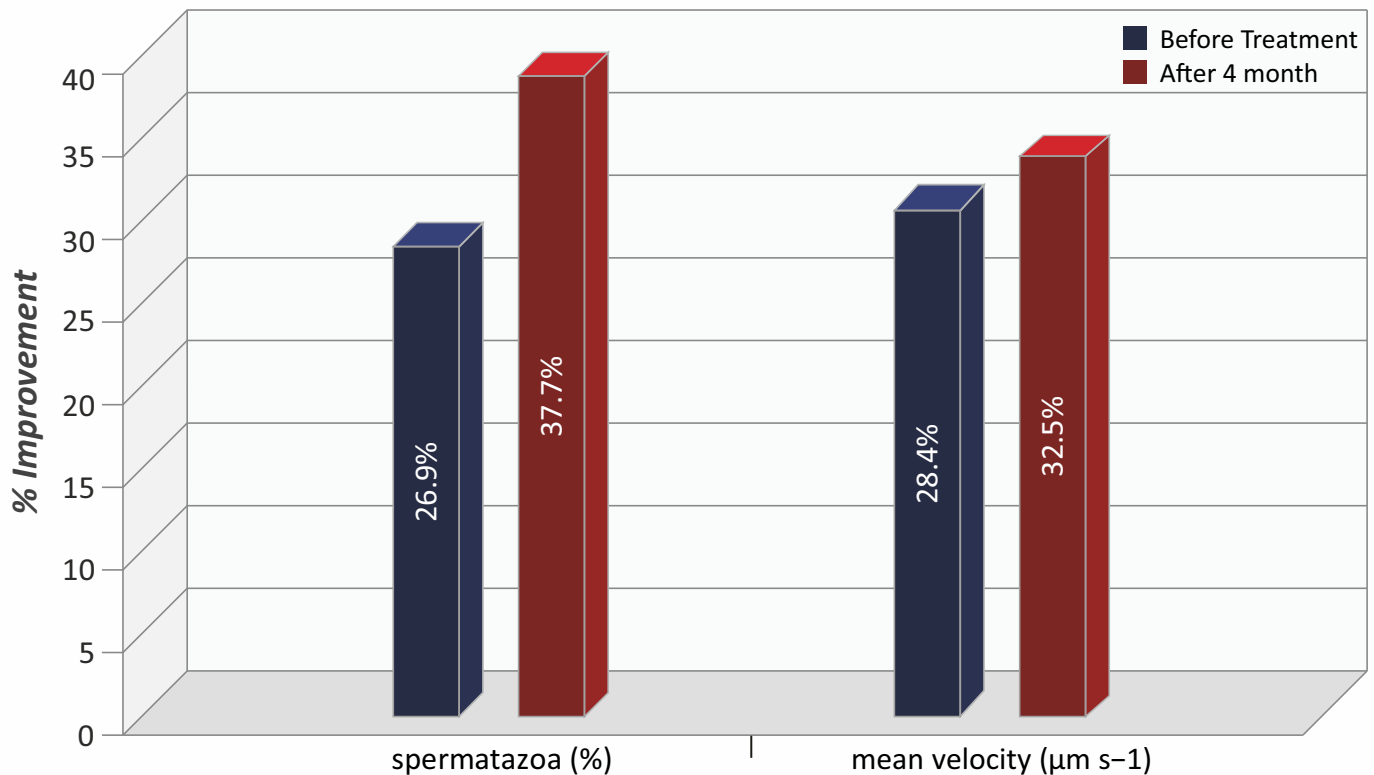
♂ **Method:**

One hundred patients received 3g/Day of oral L-carnitine for 4 months. Sperm parameters were studied before, during and after this treatment. Motility was also studied by means of a computer-assisted sperm analysis.

♂ **Result:**

The results of the study indicate that L-carnitine is able to increase spermatozoa motility, both in a quantitative and in a qualitative manner (per cent motile spermatozoa increased from $26.9 \pm 1.1\%$ to $37.7 \pm 1.1\%$ per cent spermatozoa with rapid linear progression increased from $10.8 \pm 0.6\%$ to $18.0 \pm 0.9\%$ mean velocity increased from $28.4 \pm 0.6 \mu\text{m s}^{-1}$ to $32.5 \pm 0.8 \mu\text{m s}^{-1}$ linearity index increased from 3.7 ± 0.1 to 4.1 ± 0.1 , especially in the subgroup of patients with poor rapid linear progression of spermatozoa (per cent of motile spermatozoa increased from $19.3 \pm 1.9\%$ to $40.9 \pm 1.4\%$, and per cent of spermatozoa with rapid linear progression increased from $3.1 \pm 0.4\%$ to $20.3 \pm 1.6\%$). An increase in spermatozoa output was also observed (total number of ejaculated spermatozoa increased from $142.4 \pm 10.3 \times 10^6$ to $163.3 \pm 11.0 \times 10^6$).

L- Carnitine Efficacy in spermatogenesis².



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Indication:

- ♂ Male Infertility
- ♂ Chronic Prostatitis
- ♂ Reduce prostate cancer risk

Pharmacology:

♂ **Ubidecarenone:**

An antioxidant, an energy promoting agent, a membrane stabilizer and a regulator of mitochondrial permeability transition pores.

- In Male Infertility- Improves semen parameters (Sperm density, sperm motility, sperm morphology, sperm count)¹.
- Moderate levels of circulating CoQ10 reduces prostate cancer risk².
- Protective in renal lithiasis patients undergoing Extracorporeal shockwave lithotripsy(ESWL)³.

♂ **Lycopene:**

The efficient singlet-oxygen (a reactive oxygen species) quencher.

- Decreases lipid peroxidation and DNA damage, spermatozoa is less vulnerable to oxidative damage⁴.

♂ **L-Carnitine L-Tartrate:**

Maintains an active oxidative phosphorylation.

- Improves sperm concentration, motility and vitality⁵.

♂ **Zinc:**

An essential element for growth and development, retards the oxidative process.

- Reduces symptoms in chronic prostatitis due to oxidative stress⁶.

Dosage:

Two Tablets a day or as directed by Healthcare Practitioner.

Storage:

Store protected from light & moisture under 30 C.

References:-

1. The journal of urology; 182: 237-248: 2009
2. Cancer Epidemiol Biomarkers Prev; 20(4): 708-710: 2011
3. BJU International; 113: 942-950: 2014
4. International Urology and Nephrology; 34(3): 369-372: 2002
5. Zhonghua Nan Ke Xue; 13(2): 143-146: 2007
6. The Indonesian Journal of Internal Medicine; 45(4): 259-264: 2013



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