

La Renon

LET THE
HOPES
COME TRUE

For Male Infertility

OVOPAG-M

Ubidecarenone (Co- Enzyme Q10) 150 mg, L-Carnitine-L-Tartrate 1000 mg,
Zinc 12 mg , Lycopene 2500 mcg Tablets



For Male Infertility

OVOPAG-M

Ubidecarenone (Co- Enzyme Q10) 150 mg, L-Carnitine-L-Tartrate 1000 mg,
Zinc 12 mg , Lycopene 2500 mcg Tablets

INTRODUCTION:

- ♂ Infertility is defined as the inability of a couple to achieve spontaneous pregnancy after 1 year of regular, unprotected sexual intercourse. This issue reportedly affects 8–12% of couples of reproductive age, globally.
- ♂ Male factor infertility contributes to approximately half of all cases of infertility and affects around **1 in 20 MEN** in the reproductive age group.

OVER 80 PERCENT OF INFERTILE MEN HAVE:

Low sperm concentrations
(Oligospermia)

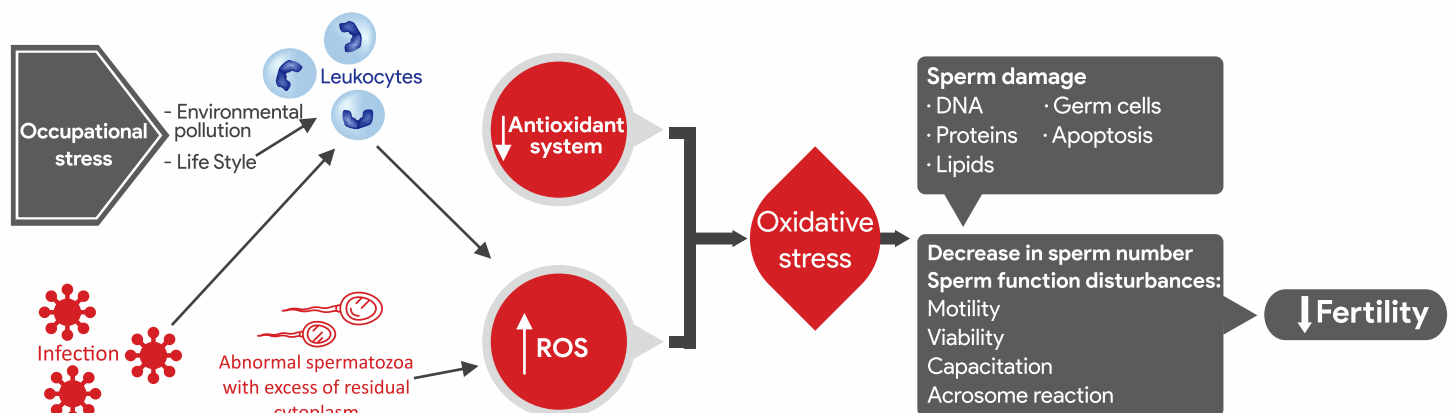
Poor sperm quality
a decrease in sperm motility
(Asthenozoospermia)

Increase in spermatozoa with
abnormal morphology
(Teratozoospermia)

MALE INFERTILITY AND OXIDATIVE STRESS (OS)

- ♂ Oxidative stress is a common pathology seen in approximately half of all infertile men. Reactive oxygen species (ROS) is a potential contributor to male infertility, an excess of seminal ROS has been reported in 30% to 80% of infertile men.
- ♂ Oxidative stress results from not only excessive ROS production but also from low antioxidant capacity.

HARMFUL EFFECTS OF REACTIVE OXYGEN SPECIES (ROS) ON MALE FERTILITY:



Ref:

1. Fertil Steril. 2004 Jan;81(1):93-8.
2. Andrologia.1994;26:155-159.

STUDY:

AIM: To study the effects of CoQ10 therapy on semen parameters, oxidative stress markers and sperm DNA fragmentation (SDF) in infertile men, specifically with idiopathic oligoasthenozoospermia (OA).

STUDY DESIGN:

Case-control study.

TOTAL PATIENTS:

Sixty-Five (65) infertile patients with idiopathic OA and forty (40) fertile men (control) were included.

DOSE:

CoQ10 at the dose of 200 mg/d orally.

DURATION:

Three months.

END POINTS:

Seminal plasma CoQ10, total antioxidant capacity (TAC), total reactive oxygen species (ROS), glutathione peroxidase (GPx), and SDF levels were measured in controls (baseline) and infertile patients pre- and post-CoQ10 treatment.

RESULT:

CoQ10 treatment for three months significantly improved sperm concentration, progressive motility, total motility, seminal fluid CoQ10 concentration, TAC, and GPx levels in infertile men with OA.

Semen parameters in fertile and infertile men before and after administration of CoQ10.

Semen parameter	Fertile men (n=40)	Infertile patient (n=65)	
		Before CoQ10	After CoQ10
Age (y)	31.4±11.3	29.1±10.2	-
Infertility duration (y)	-	6.3±4.1	-
Volume (mL)	2.9±0.8	2.88±1.4	3.1±1.2
Concentration (million/mL)	51.1±29.4	9.4±5.4	11.5±5.3
Progressive motility (%)	47.8±10.8	22.3±9.3	27.1±13.6
Total motility (%)	66.4±13.4	30.1±9.8	37.1±15.1
Normal morphology (%)	43.4±9.1	42.3±8.8	40.5±9.6

CONCLUSION:

CoQ10 supplementation for three months could improve semen parameters, oxidative stress markers and reduce SDF in infertile men with idiopathic OA.

For Male Infertility

OVOPAG-M

Ubidecarenone (Co- Enzyme Q10) 150 mg, L-Carnitine-L-Tartrate 1000 mg,
Zinc 12 mg , Lycopene 2500 mcg Tablets

DESCRIPTION:

Ubidecarenone (Co- Enzyme Q10)

CoQ10 improves semen parameters, antioxidant status in infertile men, sperm motility by providing energy through ATP generation in mitochondria and necessary for proper spermatozoa function (sperm).

L- Carnitine -L -Tartrate

It provides an energetic substrate for sperm, contribute directly to sperm motility and may be involved in the successful maturation of sperm and also antioxidants protecting against ROS. (Reactive Oxygen Species).

Zinc

It is vital for spermatogenesis, testis development, sperm physiologic functions and increases the sperm volume, sperm motility, normal sperm morphology and sperm quality.

Lycopene

It is important part of the human free radical scavenging system and thereby reduces lipid peroxidation and DNA damage. Hence improves sperm count, viability and immunity.

INDICATION:

It helps in Prevention of Male Infertility.

DOSAGE:

One Tablet per day or as directed by Healthcare Professional.

PRESENTATION:

A Strip of 10 Tablets.

Ref:

1. Clin Exp Reprod Med 2019;46(3):112-118
2. J Reprod Infertil, Vol 19, No 2, Apr-Jun 2018
3. Asian Journal of Andrology (2014) 16, 420-425;
4. International Urology and Nephrology 34: 369-372, 2002.
5. Journal of Andrology, Vol. 33, No. 3, May/June 2012
6. wileyonlinelibrary.com/journal
7. Antioxidants 2021, 10, 874



La Renon Healthcare Private Limited

207-208 Iscon Elegance, Circle P, Prahlad Nagar Cross Roads,
S.G. Highway, Ahmedabad-380015, Gujarat, India.
Phone: + 91-79-6616-8998, 2693-6656 | Fax: +91-79-6616-8998
E-mail: info@larenon.com | Web: www.larenon.com

I am: _____
Call me on: _____
Mail me at: _____

©2022 All rights reserved, La Renon Healthcare Private Limited