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EAU

EUROPEAN
UROLOGICAL REVIEW

**CONTROLLED STUDY
VARICOCELE STUDY
PILOT STUDY**

IMPROVING MALE FERTILITY

M. IMHOF, J. LACKNER,
M. LIPOVAC, P. CHEDRAUI
AND C. RIEDL

Controlled Study 2011

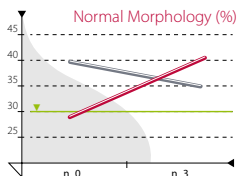
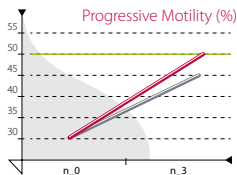
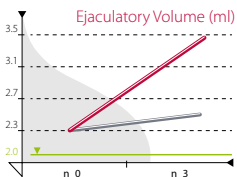
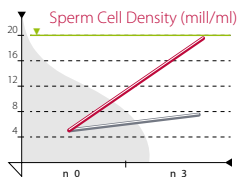
"Micronutrient supplementation increases sperm quality in the subfertile male."

**25.76%
PREGNANCIES**

**IN THE TREATMENT GROUP
AFTER SIX MONTHS
& NO ADVERSE EFFECTS**

In the context of this controlled comparative study an active treatment group was invited to take two capsules of PROfertil® daily for a period of 3 month between the first and the follow up semen analysis. Subfertile men receiving no active treatment served as controls.

All parameters evaluated by semen analysis significantly increased after 3 months of treatment:



TREATMENT GROUP **CONTROL GROUP**

Patients (205)	132	73
Inclusion Criteria	≥ 1 year of subfertility and ≥ 2 semen analysis	
Exclusion Criteria	Azoospermia, aspermia, varicocele, recent urogenital infections	

IMPROVEMENT IN % AFTER 3 MONTHS

Ejaculatory Volume (ml)	+ 33.3%	+ 3.7%
Sperm Cell Density (mill/ml)	+ 215.5%	+ 46.4%
Progressive Motility (%)	+ 83.1%	+ 44.0%
Normal Morphology (%)	+ 23.0%	-2.4 %
Total Motility (%)	+ 36.4%	+ 33.9%

WHO Lower Limits 1998 Treatment Group Control Group

“Micronutrients as an alternative to fertility treatment in men with subclinical varicocele”¹⁾

**I. SCHAUER, R. JOST,
M. IMHOF**

In the context of this study 51 men with subclinical varicocele (WHO classification 0.1), two pathological spermiogrammes and an unfulfilled desire for a child took 2 capsules of PROfertil® daily for the duration of 3 months.

After a time period of 3 months a new semen analysis was performed.

TREATMENT GROUP

Patients (51)	51, ø 32 years (18–43)
Inclusion Criteria	Infertility > 2 years At least 2 pathological semen analysis
Exclusion Criteria	Infections, aspermia, hormonal disturbances

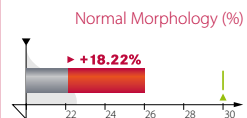
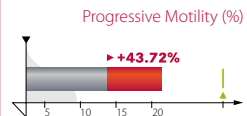
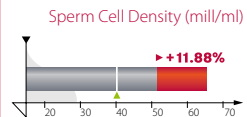
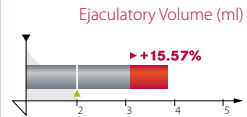
IMPROVEMENT IN % AFTER 3 MONTHS

Ejaculatory Volume (ml)	+ 15.57%
Sperm Cell Density (mill/ml)	+ 11.88%
Progressive Motility (%)	+ 43.72%
Normal Morphology (%)	+ 18.22%
Total Motility (%)	+ 15.99%

Varicocele Study 2009

**41.18%
PREGNANCIES**

**IN THE TREATMENT GROUP
AFTER SIX MONTHS
& NO ADVERSE EFFECTS**



1) Source: Fortbildungstagung der österr. Gesellschaft für Urologie und Andrologie mit Jahreshauptversammlung der ÖGU Linz, Austria 2010; EAU Bratislava 2010

“The use of the nutraceutical PROfertil® – a therapy of the male factor”²⁾

Pilot Study 2006–2008

17.5% PREGNANCIES

IN THE TREATMENT GROUP
AFTER SIX MONTHS
& NO ADVERSE EFFECTS

The goal of this study was to administer a combination product comprising 8 substances, which are all known to improve semen quality. The hypothesis is that the effect of the single substances accumulate and therefore ensure a stronger response.

The patients took 2 capsules of PROfertil® a day for the duration of 3 months.

TREATMENT GROUP

Patients (120)	120, ø 35,9 years (23–58)
Inclusion Criteria	Infertility > 2 years At least 2 pathological semen analysis
Exclusion Criteria	Varicocele, infections, aspermia, hormonal disturbances

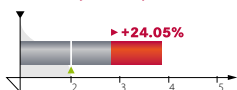
IMPROVEMENT IN % AFTER 3 MONTHS

Ejaculatory Volume (ml)	+ 24.05%
Sperm Cell Density (mill/ml)	+ 80.54%
Progressive Motility (%)	+ 115.30%
Normal Morphology (%)	+ 24.91%
Total Motility (%)	+ 48.71%

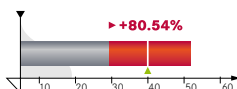
2) Source EAU Bratislava 2010

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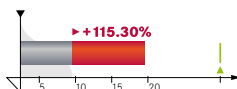
Ejaculatory Volume (ml)



Sperm Cell Density (mill/ml)



Progressive Motility (%)



Normal Morphology (%)

