

Supplementary Table 2. Semen parameters in healthy fertile men and infertile patients with varicocele

Semen parameters	Fertile healthy men (n=10)	Varicocele patients (n=50)	p-value
Sperm concentration (10^6 /mL)	69.90±37.65	29.49±33.22	<0.002
Sperm motility (%)	57.1±16.0	41.3±18.4	<0.023
Normal sperm morphology (%)	8.4±3.7	2.4±1.9	<0.001
ROS levels (RLU/s/ 10^6 sperm)	142.7 (36.2, 337.7)	896.1 (165.6, 2,990.5)	<0.008
Sperm DNA fragmentation (%)	8.5 to 18.2	3.3 to 48.3	<0.009

Data adapted from the study Agarwal et al (Asian J Androl 2016;18:282-91) [6]. Sperm concentration, motility and morphology values are presented as mean±standard deviation. ROS levels are mentioned as median (25th, 75th percentile), whereas sperm DNA fragmentation are represented as lower and upper limit. For all values, $p < 0.05$ indicate a significant difference based on the Mann–Whitney test.

ROS: reactive oxygen species, RLU: relative light units.