

Table 1: Fructose, Cu and Zn Concentration in Seminal Plasma in Three Groups of Infertile Males and Fertile Control Group

		N	Mean± Std. Error	Sig.
Sperm concentration	Control	28	73.393±5.692	≤ 0.001**
	Asthenozoospermia	28	34.964±1.597	
	Oligozoospermia	30	11.833±1.349	
Total progressive	Control	28	87.179±12.135	≤ 0.001**
	Asthenozoospermia	28	10.786±1.147	
	Oligozoospermia	30	5.667±1.015	
Fructose	Control	28	210.643±13.651	≤ 0.001**
	Azoospermia	28	392.500±17.170	
	Asthenozoospermia	28	266.536±17.096	
	Oligozoospermia	30	261.133±21.260	> 0.05 ^{NS}
	Control	28	0.047±0.006	
	Azoospermia	28	0.044±0.010	
Cu	Asthenozoospermia	28	0.025±0.004	≤ 0.05*
	Oligozoospermia	30	0.051±0.008	
	Control	28	157.593±11.785	
Zn	Azoospermia	28	105.893±6.664	≤ 0.05*
	Asthenozoospermia	28	132.250±11.590	
	Oligozoospermia	30	125.367±10.370	

The values are expressed as Mean (±SEM).

NS = no statistical significance $p > 0.05$.

* = statistical significance $p < 0.05$.

** = highly statistical significance $p < 0.001$.

Table 2: Cu and Zn Concentration in Seminal Plasma in Asthenozoospermia Group of Infertile Males and Fertile Control Group

	Study groups	Mean± Std. Error	Sig.
Sperm concentration	Control	73.393±5.692	≤0.001**
	Asthenozoospermia	34.964±1.597	
Total progressive	Control	87.179±12.135	≤0.001**
	Asthenozoospermia	10.786±1.147	
Fructose	Control	210.643±13.651	≤0.05*
	Asthenozoospermia	266.536±17.096	
Cu	Control	0.047±0.006	≤0.05*
	Asthenozoospermia	0.025±0.004	
Zn	Control	157.593±11.785	>0.05 ^{NS}
	Asthenozoospermia	132.250±11.590	

The values are expressed as Mean (±SEM).

NS = no statistical significance $p > 0.05$.

* = statistical significance $p \leq 0.05$.

** = highly statistical significance $p \leq 0.001$.