

**Table 1)** Mean of age, volume of semen, sperm counts and sperm movement in case (n=43) and control groups (n = 36)

Variable	Mean	Significance Level
<b>Age(year)</b>		
Control group	30.80±5.75	0.776
Case group	31.26±5.91	
<b>Sperm Volume (ml)</b>		
Control group	3.73±1.28	0.283
Case group	3.38±1.58	
<b>Sperm Count(ml/10<sup>6</sup>)</b>		
Control group	73.22±24.01	0.116
Case group	65.02±21.72	
<b>Sperm Count(ejac/10<sup>6</sup>)</b>		
Control group	272.62±113.79	0.016
Case group	210.76±110.51	
<b>Percentage of Motile Sperms</b>		
Control group	75.00±4.83	0.001
Case group	58.60±13.30	
<b>Percentage of Progressive Sperms</b>		
Control group	61.92±6.14	0.001
Case group	43.00±14.35	

**Table 2)** Mean of zinc, carnitine, and fructose concentrations in seminal plasma in subjects of case group (n=43) and control group (n = 36)

Variables	Mean	Significance Level
<b>Zinc (mg/dl)</b>		
Control group	13.66±6.57	0.443
Case group	12.69±4.14	
<b>Carnitine (nmol/dl)</b>		
Control group	218.22±58.51	0.015
Case group	181.78±70.14	
<b>Fructose (mg/dl)</b>		
Control group	250.11±125.51	0.567
Case group	266.98±135.10	