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# Male obesity and alteration in sperm parameters

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The interaction between obesity and fertility has received increased attention owing to the recent and rapid increase in the prevalence of the obesity worldwide. Several studies were done to explain the relationship between obesity and poor semen quality and resulting poor male fertility. The present study was done to assess the effect of obesity on sperm parameters including sperm concentration, morphology and progressively motile sperm count. This study was conducted on 150 subjects selected from attendants of the Dermatology and Andrology outpatients clinic, Benha University Hospital. They were divided equally into three groups: group A, group B, and group C according to their BMI. Group A (n=50): Normal weight cases ( $25 \text{ kg/m}^2$  &  $30 \text{ kg/m}^2$ ). Medical history was taken, general examination ( $20 > \text{BMI}$ ) was done to exclude patients with known male factor known to affect fertility. BMI is calculated and semen analysis was done. The results showed that: There were significant difference between groups (A, B and C) (p