Scrotal ultrasonographic findings in obese infertile patients and their correlations to semen and hormonal profile

Emad A. Taha1, Hisham A. Alghahlan2, Mohamed Zidan3, Alaa Abdelhafez4, Fawzy F. Farag4 1Department of Dermatology and Andrology, Assiut University School of Medicine, Assiut, Egypt 2Department of Radiology, Sohag University School Medicine, Sohag, Egypt 3Department of Radiology, Assiut University School of Medicine, Assiut, Egypt

Abstract:

ABSTRACT Objective: The aim of this prospective study was to compare scrotal ultrasonographic findings in obese and normal weight infertile men and correlate these findings with semen parameters and hormonal profile. Material and methods: A total of 188 men presented for infertility evaluation were included in this study. They were divided according to body mass indices into obese (n=96) and normal weight infertile patients (n=92). Basic infertility evaluation, semen analysis and scrotal duplex ultrasound examination in addition to measurement of serum levels of follicular stimulating hormone, testosterone and estradiol were done for all cases. The ratio between testicular size measured by scrotal ultrasound and body mass index were calculated. Results: Any significant differences were not observed in semen parameters, serum levels of follicular stimulating hormone, testosterone and estradiol between obese and normal weight infertile men (p>0.05). Serum estradiol level was significantly higher in obese than normal weight infertile men (p

Published In:

Turkish Journal of Urology, 45(1), 7-11