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**Original article**

**Scrotal and testicular masses evaluation by high resolution Ultrasonography**

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**Abstract**

**Introduction:** Malignant testicular tumors are an important cause of morbidity and mortality among men. They are the fifth most common cause of death from neoplasia in men aged 15-34 years. Early detection is crucial for curative treatment.

**Methods:** This was a prospective study of 108 patients (Age range 1 Year to 80 Years ) who presented with complaints of scrotal pathology and was referred for Sonographic examination extended over a period of two years. 20 patients were found to have sonographic and subsequent clinico-histological evidence of testicular / scrotal masses. Clinical history was obtained along with physical examination.

**Results:** Of these 20 cases 12 were testicular tumors (08 non seminomatous germ cell tumors and 04 seminomas), 02 was scrotal wall malignancy, 04 were granulomatous lesion of the cord and 02 was benign epididymal cyst.

**Conclusion:** Our study shows that Scrotal and testicular masses present a diagnostic dilemma on clinical examination. High resolution sonographic is highly accurate and sensitive primary imaging modality for investigation of scrotal pathology

**Key words:** Testicular masses, Scrotal masses, High resolution ultrasonography, Germ cell tumors.