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Original Article

Morphological Study of Orchidectomy Specimens: An Experience at Tertiary Care

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Abstract

Introduction: Surgical removal of testis is indicated in testicular tumors, male breast carcinoma, and prostate cancer as well as in many non-neoplastic lesions like-undescended testis, torsion, epididymo-orchitis, hydrocele and testicular atrophy. Testicular atrophy secondary to testicular injury and infections are common next to cryptorchidism. Testicular tumors comprise only 1% of all

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from January 2009 to January 2013. The specimens were grossly examined, fixed in 10% neutral buffered formalin. All H & E sections were reviewed. *Results:* Out of the 63 orchidectomy specimens received, 46 (73.01%) were non-neoplastic while 17 (26.98%) were neoplastic lesions. Among the non-neoplastic lesions, chronic epididymo orchitis was the commonest, followed by atrophic testis, organized hydrocele, acute epididymo-orchitis, pyocele and others. Whereas, neoplastic lesions ranged from seminoma being the commonest followed by mixed germ cell tumors, lymphoma, pure germ cell tumors, spermatocytic seminoma and metastatic prostatic adenocarcinoma. *Conclusion:* Testicular pathology is a nosologically complex subject because of the spectrum of histologic subtypes and variable clinical behaviour. Currently, treatment for most of the testicular neoplasms is orchietomy, surveillance and radiation to the affected testis. Hence present study was undertaken to study the histomorphological spectrum of lesions in orchidectomy specimens.

Keywords: Epididymo-Orchitis; Metastatic; Orchidectomy; Seminoma; Testicular Tumours.

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