ABSTRACT

Objective: Review of uterine neoplasms to evaluate the frequencies of different morphological types of uterine cancers and to compare the results with different age groups and the findings of other workers.
**Study Design:** Observational and comparative study.

**Place and Duration of Study:** This study was conducted at the Department of Pathology, Basic Medical Science Institute, JPMC, Karachi from January 2002 to December 2011.

**Materials and Methods:** A total of 927 cases of neoplastic lesions of the uterine corpus, received over a period of 10 years at the department of Pathology, Basic Medical Science Institute, JPMC, Karachi were reviewed.

**Results:** A total of 98 (9.45%) were uterine cancers including 82 (83.67%) carcinomas and 16 (16.32%) sarcomas. Adenocarcinoma was the commonest finding (66/98), followed by squamous cell carcinoma (10/98) and endometrial stromal sarcomas (7/98). The mean age of uterine carcinomas was 51.48 years and of sarcomas was 41.87 years. Grade III adenocarcinoma presented at relatively late ages (mean age 60.71 years) than grade II (mean age 56.37 years) and grade I (mean age 47.02 years). Sarcomas were found to be of relatively high frequency in our study (16.32%). Leiomyosarcoma (LMS) and endometrial stromal sarcoma (ESS) tend to occur at younger age than carcinosarcomas.

**Conclusion:** Mean age of uterine carcinoma was found to be 51.48 years and of sarcomas 41.87 years. Grade I adenocarcinoma is more common in younger age groups than grade II and III adenocarcinoma. Finally the LMS and ESS are more frequent than malignant mixed mesodermal tumors (MMMT).

**Key Words:** LMS (leiomyosarcoma), ESS (endometrial stromal sarcoma), MMMT (malignant mixed mesodermal tumors).

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