



A Survival Study of Characteristics on Female Breast Cancer Patients' in Meerut City

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ABSTRACT : As cancer is a silently increasing ailment being the major killer worldwide. Breast cancer is the first common cancer among women in Meerut city and western India. In Meerut city has no any population based cancer registry. A total of 285 breast cancer cases were collected during 2008-2009, of these 60 (21%) death cases were found in these hospitals/home. The overall survival rates by Kaplan Meier for 1, 2 and more than 3 years were found 88.30%, 76.27% and 63.63%, respectively. Cox regression analysis of prognostic factors such as age, hospital, menopausal, occupation, size of cancer stage, religion, laterality, education and types of the treatments using a proportional hazard model showed religion and stages was statistically significant. Cancer stage have <5cm displayed poorer survival rate (51.2%) at more than 3 year than stage <2cm with survival rate (72.73%), which is statistically significant ($p=0.005$). The survival rate in religion, Hindu (55.47%) has better than Muslim with survival rate (54.51%), which is statistically significant ($p=0.038$) and other parameters gave insignificant results. More research and interventions are suggested to formulate and implement strategies to educate and increase the knowledge of communities for healthy life style and disease prevention strategies including early detection of breast cancer to control in India.

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