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## Determinants of survival of cervical cancer: A hospital based study

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Globally uterine cervix cancer is one of the leading causes of death in females due to cancer, especially in developing countries. The aim of the study was to analyse the survival as well as understanding various prognostic factors for survival in patients of carcinoma cervix presenting in our hospital. A total of 508 patients were evaluated in radiotherapy department of Mahavir Cancer Sansthan and Research Centre Patna, Bihar who came for follow up between April 2015 to March 2016 after completion of radical radiotherapy. Out of 508 patients 3.54% (n 18), 71.65% (n 364), 22.83% (n 116) and 1.9% (n 10) patients presented in stage I, II, III and IV A respectively. 53.54% of patients belonged to age group of 35 to 50 years with survival of  $937 \pm 53.49$  days. 46.46% of the patients were more than 50 years age and their survival was  $933.3 \pm 57.12$  days. The mean duration for overall survival for all cases evaluated was  $957.4 \pm 39.49$  days. The mean duration for survival of stages I, II, III and IVA was  $1186 \pm 281.8$  days,  $960 \pm 85.04$  days,  $945.1 \pm 45.66$  days and  $765 \pm 181.5$  days respectively. Survival of patients having squamous cell carcinoma was  $970 \pm 42.89$  days and that of adenocarcinoma was  $669.5 \pm 120$  days and that of premenopausal and postmenopausal lady was  $997.5 \pm 79.28$  and  $940.1 \pm 45.39$  days respectively. It was evident from study that patients who presented in early stage had a better survival. There was no significant difference in survival of cervix cancer patients in different age groups while survival was greater in premenopausal cervical cancer patients.

### Biography

Rita Rani has completed her Medical Graduation followed by Post-Graduation in Radiation Oncology. She is a Senior Consultant in Radiation Oncology at Mahavir Cancer Sansthan and Research Institute, Patna, India. She has special interest in Gynecologic Oncology and has extensive experience of more than 10 years in this field. She has more than 10 publications in reputed journals. Currently, she is Centre Principal Investigator at National Centre for Disease Informatics and Research, India.

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