Letter to the Editor

Comment

Post mastectomy adjuvant radiotherapy in breast cancer: A comparison of three hypofractionated protocols

Madam, We read with interest the article by Abubaker Shahid et al published in May 2009 JPMA. We would like to comment on some of the results of this study.

This study has used in one arm, 27Gy in 5 fractions over a week. The UK FAST trial has used 5.7 Gy-6.0Gy clinical trials. Cobalt 60 was used for all patients; however it is appropriate to use linear accelerator for patients with more than 20 cm thickness to minimize skin reactions.

All patients were planned by 2D planning system; however a CT planning system must be a part of planning while considering hypofractionation in clinical trials.

Follow up period is not mentioned. The data analysis was performed on all accrued patients suggesting that there was no lost to follow up.

The early Breast trialists' Colloaborative Group (EBCTCG) analysis reported 1% cardiac mortality at 15 years. Hypofractionated radiotherapy, can make these figures worse. In a study by Abubaker et al, 168 patients (56%) were accrued between 2001 to 2004, making it difficult to comment on cardiac mortality due to short follow up period.

Echocardiogram to assess radiation induced cardiac damage is not reasonable; rather radionuclide imaging should be advised.

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References