Does the Long-Term Risk of Cardiovascular Outcomes for Patients With Early-Stage NSCLC Differ by Tumor Laterality?

**STUDY DESIGN**

Used SEER Registry to examine 3,256 adults with node-negative stage I or IIA non-small cell lung cancer (NSCLC) and who received stereotactic body radiation therapy (SBRT) or three-dimensional conformal radiation therapy/intensity-modulated radiation therapy (3DCRT/IMRT).

Compared left-sided tumors/radiation with right-sided tumors/radiation.

**RESULTS**

No difference for patients who received SBRT by laterality.

Patients who received 3DCRT/IMRT with **LEFT-SIDED** tumors had greater risk of:

- Congestive heart failure (HR 1.23; 1.01-1.48)
- Percutaneous coronary artery intervention (HR 2.24; 1.12-4.47)

Patients with left-sided NSCLC had higher rates of select cardiac events when treated with 3DCRT/IMRT compared with those with right-sided NSCLC, while those treated with SBRT showed no difference.


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