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Novel concepts in radiation-induced cardiovascular disease

Jason R Cuomo, Gyanendra K Sharma, Preston D Conger, Neal L Weintraub

Abstract

Radiation-induced cardiovascular disease (RICVD) is the most common nonmalignant cause of morbidity and mortality among cancer survivors who have undergone mediastinal radiation therapy (RT). Cardiovascular complications include effusive or constrictive pericarditis, cardiomyopathy, valvular heart disease, and coronary/vascular disease. These are pathophysiologically distinct disease entities whose prevalence varies depending on the timing and extent of radiation exposure to the heart and great vessels. Although refinements in RT dosimetry and shielding will inevitably limit future cases of RICVD, the increasing number of long-term cancer survivors, including those treated with older higher-dose RT regimens, will ensure a steady flow of afflicted patients for the foreseeable future. Thus, there is a pressing need for enhanced understanding of the disease mechanisms, and improved detection methods and treatment strategies. Newly characterized mechanisms responsible

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作者: SW Yusuf - 2011 - 被引用次数: 66 - 相关文章

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Radiation-induced heart disease. - NCBI

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作者: J Filopei - 2012 - 被引用次数: 33 - 相关文章

Cardiol Rev. 2012 Jul-Aug;20(4):184-8. doi: 10.1097/CRD.0b013e3182431c23. Radiation-induced heart disease. Filopei J(1), Frishman W. Author information:

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作者: M Mert - 2003 - 被引用次数: 17 - 相关文章

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