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Abstract

Online Imaging Challenges with SBRT Thoracic Patients

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Objectives: CBCT observed tumour reduction in SBRT Thoracic patients notable cases from the Beacon Hospital-The effects of sporadic respiratory infections and pleural effusion on CBCT imaging in SBRT Thoracic patients

Methods: Patients were selected by Radiation Therapists/Radiation Oncologist/Physicists who met the above criteria of -notable tumour reduction-sporadic onset of visually observed respiratory infections on cbct-sporadic onset of visually observed pleural effusion on cbct

Results: Discussion including imaging screenshots for demo of CBCT observed tumour reduction in SBRT notable cases from Beacon Hospital. Centrally bulky tumours which impacted on airways and distort view of online imaging and make matching more complex-Discussion including imaging screenshots for demo of CBCT observed spradic respiratory infection and PE on CBCT. In many cases RTT noted issues prior to patients having side effects or discomfort.

Conclusions: Emerging area of development for RTT as their imaging skills are enhancing. Highlights need for RTT to be aware of review of whole CBCT and not solely tumour area.

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