

عنوان مقاله:

Unusual false-positive results of whole-body ¹³¹I scintigraphy: Four different case scenarios

محل انتشار:

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تعداد صفحات اصل مقاله: 5

نویسندگان:

Alireza Emami-Ardekani - *Research Center for Nuclear Medicine, Tehran University of Medical Sciences, Tehran, Iran*

Hamidreza Amini - *Research Center for Nuclear Medicine, Tehran University of Medical Sciences, Tehran, Iran*

Sara Harsini - *Research Center for Nuclear Medicine, Tehran University of Medical Sciences, Tehran, Iran* | *Students' Scientific Research Center (SSRC), Tehran University of Medical Sciences, Tehran, Iran* | *Association of Nuclear Medicine and Molecular Imaging*

Armaghan Fard-Esfahani - *Research Center for Nuclear Medicine, Tehran University of Medical Sciences, Tehran, Iran*

خلاصه مقاله:

Post-treatment or diagnostic whole-body radioiodine scintigraphy is widely used to assess the residual, recurrence, or metastases of differentiated thyroid carcinoma because of the high sensitivity and accuracy that this assessment provides. While bearing in mind all the diagnostic potential of this test, we have to consider its' potential pitfalls, as well. Herein, we present 4 patients with differentiated thyroid carcinoma, who received ¹³¹I for ablation therapy after having undergone total thyroidectomy. On post-treatment radioiodine scintigraphy, foci of unusual ¹³¹I uptake were noted in facial, axillary, inguinal, and renal regions, which were finally either histologically or anatomically diagnosed as papillary oncocytic cystadenoma, ectopic axillary breast tissue, epididymal cyst, and simple renal cyst, respectively. Such ¹³¹I uptake patterns underscore the value of recognizing where and why false-positive uptakes take place and should appreciate the potential causes of false-positive results in whole-body ¹³¹I scintigraphy.

کلمات کلیدی:

Radioiodine, Differentiated thyroid carcinoma, Whole-body scan

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