

عنوان مقاله:

Impact of ואF-FDG PET/CT on treatment of patients with differentiated thyroid carcinoma, negative ושוו whole body scan and elevated serum thyroglobulin

محل انتشار:

مجله پزشکی هسته ای و زیست شناسی آسیا اقیانوسیه, دوره 10, شماره 1 (سال: 1401)

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خلاصه مقاله:

Objective(s): IAF-FDG PET/CT is increasingly performed in patients with differentiated thyroid cancer. The aim of this study was to assess the clinical impact of NAFFDG PET/CT on the management of patients with differentiated thyroid carcinoma who had elevated serum thyroglobulin (Tg) and negative 141 whole body scan (WBS) .Methods: ۶۷ patients with differentiated thyroid carcinoma were included in this study. The findings of \AF-FDG PET/CT imaging were compared with histopathology, follow up imaging, or clinical follow-up results. The diagnostic accuracy of NAF-FDG PET/CT was evaluated for the entire patient group and for those patients with stimulated serum thyroglobulin levels of less than Δ, Δ-10, and more than 10 pmol/L as well as for local recurrences and metastases sites. The impact of ۱λF-FDG PET/CT on therapeutic management was also evaluated. Results: ٣٠/۶٧ patients had positive findings on ۱λF-FDG PET/CT; YA were truepositive and Y were false-positive. IAF-FDG PET/CT results were true-negative in TF patients and false-negative in 1 patient. The overall sensitivity, specificity, accuracy, PPV and NPV of 1AF-FDG PET/CT were, 95.6%, 96.6%, 96.6%, 97.8%, and 97.4% respectively. Positive 1AF-FDG PET/CT findings were directly correlated with stimulated serum thyroglobulin levels, Y.1% had Tg between Δ-10, and 9Y.9% had Tg greater than 10 pmol/L. IAF-FDG PET/CT had a high or moderate impact on treatment management in YA (FI.A%) of patients.Conclusion: IAF-FDG PET/CT is able to improve diagnostic accuracy and have management impact in a therapeutically relevant way in patients with differentiated thyroid carcinoma who present with rising thyroglobulin level, negative ואון WBS, and clinical suspicion of recurrent disease

كلمات كليدى:

FDG PET, Thyroglobulin, 141, thyroid carcinoma

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