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^{18}F-FDG PET/CT在恶性淋巴瘤诊断与疗效评估中的作用

^{18}F-FDG PET/CT in diagnostic and theraputic evaluation of malignant lymphoma

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中文摘要:

目的 评价^{18}F-FDG PET/CT在恶性淋巴瘤诊断、疗效评估与复发监测中的作用。方法 回顾性分析90例恶性淋巴瘤患者^{18}F-FDG PET/CT结果。15例HD患者,1例治疗前、后均做了PET/CT显像,14例为治疗后患者。75例NHL患者,治疗前PET/CT显像24例,10例治疗前、后均进行PET/CT检查,41例仅治疗后显像。结果 15例HD患者,接受化疗和(或)放疗后PET/CT显像4例正常;4例改善或部分改善,7例进展或缓解后复发,其中仅8例CT、MR或超声见软组织影或淋巴结肿大。34例未治疗的NHL患者,PET/CT显像32例为阳性(94.12%),同期CT或MR的阳性率为85.71%。51例治疗后的NHL患者,23例PET/CT显像为正常(45.10%),9例改善或部分改善(17.65%),19例(37.25%)病灶有进展或缓解后又复发。结论 ^{18}F-FDG PET/CT在淋巴瘤的临床诊断、分期、疗效监测、复发与残留的评价方面是灵敏而准确的方法。

英文摘要:

Objective To assess the value of ^{18}F-FDG PET/CT in diagnostic and theraputic evaluation of malignant lymphoma. **Methods** Imaging of ^{18}F-FDG PET/CT scan was retrospectively reviewed in 90 cases with pathologicaly proven malignant lymphoma. In 15 patients with Hodgkin’s disease (HD), 14 cases underwent PET/CT scanning posttreatment, and the other one was scanned before and after treatment. In 75 patients with non-Hodgkin lymphoma (NHL), 24 cases underwent PET/CT scans before therapy, 10 cases with both pretreatment and posttreatment PET/CT scans, and the other 41 cases underwent PET/CT scanning after therapy. All the patients had corresponding CT, MRI and/or ultrasound results. **Results** According to the PET/CT images, in 15 patients with HD, 4 cases showed normal after chemotherapy and/or radiotherapy, 4 cases improved or partly improved, the other 7 cases were in progressing or recurred after relief. For 34 NHL cases with PET/CT scanning before therapy, positive findings were detected in 32 cases (94.12%), whereas the positive rate was 85.71% from CT, MRI and/or ultrasound results. From the PET/CT scans of 51 NHL cases after therapy, 23 cases (45.10%) showed normal, and 9 cases (17.65%) improved or partly improved, while the other 19 cases (37.25%) were in progressing or recurred after relief. **Conclusion** ^{18}F-FDG PET/CT is a sensitive and accurate imaging method in clinical diagnosis, staging and therapy and recurrence evaluation malignant lymphoma.

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