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滑膜炎、痤疮、脓疱病、骨肥厚、骨炎综合征^{99m}Tc-MDP全身骨显像分析

^{99m}Tc-MDP whole body bone imaging in diagnosis of synovitis, acne, pustulosis, hyperostosis and osteitis syndrome

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中文摘要:

目的 探讨^{99m}Tc-MDP全身骨显像诊断滑膜炎、痤疮、脓疱病、骨肥厚、骨炎(SAPHO)综合征的临床价值。方法 回顾性分析12例SAPHO综合征患者的骨显像特点。与X线平片、MRI比较,分析骨显像对SAPHO综合征诊断的价值。结果 12例患者中均见前胸壁骨质受累,典型"牛头"征改变的仅25.00%(3/12),其余表现为不完全"牛头"征或单侧"牛角"征。脊柱受累6累及椎体,其中3例累及邻近多个椎体;2例累及椎间小关节,呈比邻分布。3例骨显像所见病灶在X线平片上未见异常,而在其他影像学检查均有异常改变。结论 典型"牛头"征或不完全"牛头"征、"牛角"征是SAPHO综合征在骨显像中的特征性表现,有利于早期诊断本病及评价病情。

英文摘要:

Objective To explore the value of ^{99m}Tc-MDP imaging in diagnosis of synovitis, acne, pustulosis, hyperostosis and osteitis (SAPHO) syndrome. **Methods** Clinical and imaging data of 12 SAPHO syndrome patients were analyzed retrospectively. The scintigraphic features of SAPHO syndrome were evaluated and compared with those of X-rays, CT and MRI. **Results** Though anterior chest wall involvement was found in all 12 patients with ^{99m}Tc-MDP imaging, typical "bull's head" sign was detected in only 3 patients (3/12, 25.00%), while incomplete "bull's head" or unilateral "bull's horn" were found in the rest 9 patients. Spine involvement occurred in 6 patients, including vertebral body involvement (n=4), multiple adjacent vertebral bodies involvement (n=3) and intervertebral joints involvement (n=2). All bone scintigraphic abnormalities were also showed on other imaging examinations, except for 3 patients with false negative plain X-ray results. **Conclusion** Typical "bull's head" incomplete "bull's head", "bull's horn" sign are characteristic scintigraphic features of SAPHO syndrome, being helpful to early diagnosis and evaluation of SAPHO syndrome.

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