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增强MRI和全身骨显像间隔时间对肝脾摄取

Impact of interval time between enhanced MRI and whole body bone imaging on hepatic and splenic uptake of ^{99m}Tc -MDP

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中文关键词: [\$^{99m}\text{Tc}\$ 得美罗酸盐](#) [放射性核素显像](#) [磁共振成像](#)

英文关键词: [Technetium Tc 99m medronate](#) [Radionuclide imaging](#) [Magnetic resonance imaging](#)

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中文摘要:

目的 观察增强MRI和全身骨显像间隔时间对骨显像时肝脾摄取 ^{99m}Tc -MDP的影响。方法 回顾性分析 3268例全身骨显像患者的资料,通过PACS系统追访骨显像前接受增强MRI、像时肝脾摄取 ^{99m}Tc -MDP的患者例数,根据增强MRI与全身骨显像的间隔时间将其分为间隔0、1、2、3天组,根据肝脾摄取情况分为肝摄取组、脾摄取组和肝脾摄取组。结果 63例患者像前接受增强MRI,其中42例存在 ^{99m}Tc -MDP肝脾摄取。间隔0、1天组肝脾摄取 ^{99m}Tc -MDP例数最多,共计35例(35/42,83.33%)。42例中,单纯肝脏摄取26例,占61.90%(26/42),单纯脾脏摄取占2.38%(1/42),肝脾同时摄取15例,占35.71%(15/42)。结论 增强MRI与全身骨显像间隔时间对骨显像时肝脾摄取 ^{99m}Tc -MDP有直接影响,建议两种检查间隔3天以上。

英文摘要:

Objective To explore the impact of the interval time between enhanced MRI and whole body bone imaging on hepatic and splenic uptake of ^{99m}Tc -MDP. **Methods** A total of 3268 patients under whole body bone imaging were retrospective analyzed. The number of patients who were tested by enhanced MRI prior to bone imaging through PACS system and had hepatic and splenic uptake of ^{99m}Tc -MDP were counted. According to the different interval time between enhanced MRI and whole body bone imaging, the patients were divided into 0 day group, 1 day group, 2 days group and group; while according to uptake, they were divided into hepatic uptake group, splenic uptake group, as well as hepatic and splenic uptake group. **Results** There were 63 patients underwent enhance prior to bone scan, 42 patients with hepatic and/or splenic uptake of ^{99m}Tc -MDP. There were totally 35 patients in 0 day and 1 day group, accounting for 83.33% (35/42). There were 26 patients in hepatic uptake group (26/42, 61.90%), while was 1 (1/42, 2.38%) in splenic uptake group and 15 in hepatic and splenic uptake group (15/42, 35.71%). **Conclusion** The time interval between enhance MRI and bone imaging has directly impact on the diffuse hepatic and splenic uptake of ^{99m}Tc -MDP. It is suggested that the scanning interval time should be at least 3 days.

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