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磁共振扩散加权成像诊断子宫内膜癌分期及与病理结果的相关性

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3.0 T MR diffusion weighted imaging in staging of endometrial carcinoma and the correlation with pathology

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摘要/Abstract

**摘要：目的** 评价磁共振扩散加权成像 (DWI) 在子宫内膜癌术前分期中的价值及与病理结果的相关性。**方法** 回顾性分析30例经手术病理证实的子宫内膜癌患者MR检查资料，将DWI检查结果与病理结果进行对照，比较子宫内膜癌不同病理类型、不同分化程度的ADC值是否有统计学差

异。**结果** DWI对子宫内膜癌术前分期的准确性为83.3%。子宫内膜癌的ADC值为 $(0.856 \pm 0.080) \times 10^{-3} \text{ mm}^2/\text{s}$ ，不同病理类型之间无统计学差异( $P > 0.05$ )，不同分化程度组间有统计学差异( $P < 0.01$ )。**结论** DWI在子宫内膜癌术前分期中具有较高的准确性，能够显示病变的浸润深度；通过ADC值的测量，能够初步反映肿瘤的恶性程度。

**关键词:** 分期, 磁共振扩散加权成像, 子宫内膜癌, 肿瘤, 组织学类型

**Abstract: Objective** To investigate the value of 3.0 T diffusion weighted imaging (DWI) in staging of endometrial carcinoma and the correlation with pathology. **Methods** The data of 30 patients with histologically proved endometrial carcinoma were analyzed retrospectively. The staging diagnosis of DWI was compared with pathologic results, and the ADC values in different pathologic categories and differential grades of endometrial carcinoma were also compared. **Results** The staging accuracy of DWI was 83.3%. The ADC value in the 30 patients with endometrial carcinoma was  $(0.856 \pm 0.080) \times 10^{-3} \text{ mm}^2/\text{s}$ . There was no significant difference in different pathologic categories( $P > 0.05$ ). In differential grades of endometrial carcinoma, there was significant difference( $P < 0.01$ ). **Conclusion** DWI has considerable value in staging of endometrial carcinoma, and the ADC value can preliminarily demonstrate the grade malignancy of the tumors.

**Key words:** Neoplasms by histologic type, Diffusion weighted imaging, Endometrial carcinoma, Stage

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