

## 肿瘤防治

# 微卫星不稳定性在膀胱癌复发诊断中的价值

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**摘要** 背景与目的: 评估尿脱落细胞中微卫星不稳定性(Microsatellite instability, MSI)在膀胱癌复发诊断中的价值及可能的临床意义。材料与方法: 对60份膀胱癌术后随访尿液标本及20份正常对照标本进行微卫星不稳定性的检测。分析参数包括有无血尿、肿瘤数目、大小、WHO分级及5个微卫星位点标志物。结果: 20例复发者中17例MSI阳性(85.00%), 且15例为血尿标本, 检测术后随访者尿脱落细胞中MSI诊断膀胱癌复发的敏感性、特异性及阳性预报值分别为85.00%、82.50%及83.33%, MSI与肿瘤分级间无明显相关性。结论: MSI可以作为膀胱癌术后随访病人尤其伴有血尿者监测肿瘤复发的良好标志物。

**关键词** [膀胱癌](#); [血尿](#); [复发](#); [微卫星不稳定性](#)

## Clinical Implications of Microsatellite Instability in Diagnosis of Bladder Cancer Recurrence

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**Abstract** **BACKGROUND & AIM:** To evaluate the value and potential clinical implications of microsatellite instability(MSI) in diagnosis of bladder cancer recurrence. **MATERIAL AND METHODS:** The analysis by PCR for detecting MSI was done in 20 cases of normal samples and 60 cases of urine samples from 42 patients with bladder carcinoma in postoperative follow-up. The analytic parameters included hematuria, tumor size, number of tumor, tumor grade and 5 microsatellite bio-markers. **RESULTS:** There were 17 cases of MSI+ in 20 recurrent cases, of which 15 cases got hematuria samples. The sensitivity, specificity and positive predictive value was 85.00%, 82.50% and 83.33%, respectively, with the analysis by the results of MSI in diagnosis of bladder cancer recurrence. No correlation was found between MSI and tumor grading. **CONCLUSION:** The results indicate that MSI is a good bio-marker in diagnosis of bladder cancer recurrence for patients with bladder carcinoma in postoperative follow-up, especially for which with hematuria.

**Keywords** [bladder neoplasm](#) [hematuria](#) [recurrence](#) [microsatellite instability](#)

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