

肿瘤防治

## 术中大剂量放疗对宫颈癌 II b 患者免疫系统的影响

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**摘要** 背景与目的: 探讨宫颈癌 II b 患者术中大剂量放疗前后外周血 T 淋巴细胞亚群和白细胞介素-2 (Interleukin-2, IL-2) 水平的变化。材料与方法: 对 61 例宫颈癌患者(其中 28 例行术中放疗, 33 例行单纯放疗)在放疗前后, 分别用流式细胞技术和放射免疫分析法检测患者 T 淋巴细胞亚群水平(包括 CD4、CD8、CD4/CD8)和白细胞介素-2(IL-2)水平的变化。并与 20 例正常人作对照。结果: 放疗后, 单纯放疗组和术中放疗组间 CD4、CD4/CD8、IL-2 差异有统计学意义, 单纯放疗组明显低于术中放疗组。结论: 术中大剂量放疗对宫颈癌 II b 患者免疫系统的影响较轻, 有利于机体的恢复。

**关键词** [宫颈癌](#); [术中放疗](#); [T 淋巴细胞亚群](#); [白细胞介素-2](#)

## The Influence of Intraoperative Radiation Therapy on Immunity of Patients with Cervical Cancer in Stage

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**Abstract** **BACKGROUND & AIM:** To explore peripheral blood T-lymphocyte subsets and interleukin-2(IL-2) level in patients with cervical cancer in stage before and after intraoperation radiation therapy (IROT). **MATERIAL AND METHODS:** Before and after radiotherapy, the T-lymphocyte subsets and IL-2 were measured in 61 patients with cervical cancer in stage, including 28 patients with IROT and 31 ones with simple radiotherapy(SR), and contrasting to 20 normal controls by using flow cytometry and radio immune assay. **RESULTS:** After radiotherapy, the radio CD4, CD4/CD8 and IL-2 with IROT were significantly higher than those with SR. **CONCLUSION:** The influence of IROT on immunity of patients with cervical cancer in stage was lighter than that of SR. So, IROT contribute to recovery after radiotherapy.

**Keywords** [cervical cancer](#) [IROT](#) [T-lymphocyte subsets](#) [interleukin](#)

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