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## 经直肠超声引导前列腺穿刺的感染并发症及其处理

### Infectious complications and treatment in transrectal ultrasound-guided prostate biopsies

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中文摘要:

目的 探讨经直肠超声(TRUS)引导前列腺穿刺活检引起的感染并发症及其处理方法。方法 回顾性分析1006例次TRUS引导前列腺穿刺活检引起的31例感染并发症患者的临床资料。结果 31例患者中单纯发热患者25例,穿刺前体温( $38.90 \pm 0.92$ ) $^{\circ}\text{C}$ ,白细胞计数( $6.68 \pm 1.83$ ) $\times 10^9/\text{L}$ ,中性粒细胞百分比为( $63.36 \pm 9.09$ )%,16例通过静脉注射喹诺酮类抗生素、9例通过口服诺氟沙星和甲硝唑于(4.8 $\pm$ 2.6)d体温恢复正常。另有3例被确诊为急性前列腺炎,穿刺前白细胞计数( $4.43 \pm 1.75$ ) $\times 10^9/\text{L}$ ,中性粒细胞百分比为( $78.35 \pm 21.08$ )%,体温( $39.20 \pm 1.10$ ) $^{\circ}\text{C}$ ,注射喹诺酮类抗生素后3~5 d退热,下腹不适症状于10~16 d得以缓解。穿刺后出现附睾炎者3例,体温均低于37.5 $^{\circ}\text{C}$ 。穿刺前白细胞计数( $6.55 \pm 1.46$ ) $\times 10^9/\text{L}$ ,中性粒细胞百分比为( $68.33 \pm 8.74$ )%,1例通过对症治疗症状缓解,2例行睾丸切除术。结论 服用喹诺酮类抗生素及甲硝唑可以有效地治疗、预防由TRUS引导前列腺穿刺活检引起的感染并发症。

英文摘要:

Objective To investigate the infectious complications following transrectal ultrasound (TRUS) guided prostatic biopsy and its treatment. **Methods** Thirty-one cases underwent TRUS guided prostatic biopsy presented infectious complications, their data were analyzed retrospectively. **Results** Fever affected 25 patients with the temperature of ( $38.90 \pm 0.92$ ) $^{\circ}\text{C}$ . Before biopsy the white blood cell count (WBC) was ( $6.68 \pm 1.83$ ) $\times 10^9/\text{L}$ , neutrophil was ( $63.36 \pm 9.09$ )%. Among them 16 patients were treated with quinolone, 9 with norfloxacin and arilin orally. After (4.8 $\pm$ 2.6) d, the temperature came to normal. Acute prostatitis occurred in 3 patients and they were treated with quinolone. Before biopsy the WBC was ( $4.43 \pm 1.75$ ) $\times 10^9/\text{L}$ , neutrophil was ( $78.35 \pm 21.08$ )%. Epididymitis occurred in 3 patients. Before biopsy the WBC was ( $6.55 \pm 1.46$ ) $\times 10^9/\text{L}$ , neutrophil were ( $68.33 \pm 8.74$ )%. One case was treated with symptomatic treatment and two cases were treated with orchietomy. **Conclusion** Infectious complications occurring after TRUS guided prostatic biopsy can be treated and prevented using quinolone and ailin.

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