

## FEATURES OF CYTOKINE RESPONSE IN PATIENTS WITH ABDOMINAL SEPSIS

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The comparative analysis of the contents of cytokines in patients with peritonitis / abdominal sepsis at stages of intensive therapy has been performed. The levels of IL-1 $\beta$ , IL-1 Ra, IL-2, IL-4, IL-8, TNF  $\alpha$  at 1, 3 and 7 days after emergency surgery are investigated. Sharp increase in the concentration of pro-inflammatory cytokines IL-1 $\beta$ , TNF  $\alpha$ , IL-8 at the first day of the disease, and their gradual decrease to 7 days of observation is revealed. Changes in levels of IL-2 and IL-4 were less pronounced. Contents of receptor antagonist to IL-1 grew slowly to the seventh day, staying in the range of normal population values. Based on these data the conclusion of necessity of the patients' cytokine profile investigation has been made for pathogenetically substantiated therapy of sepsis.

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**Key words:** abdominal sepsis, interleukins, IL-1 $\beta$ , IL-1 Ra, IL-2, IL-4, IL-8, TNF  $\alpha$ .

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