Evaluation of cytokine status in patients with chronic purulent otitis media

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Objective: to study the changes in serum levels of IL-2, IL-6 and TNFα in 80 patients with chronic purulent otitis media, depending on the activity of the inflammatory process. Blood sampling was performed at the day of admission, the first day after surgery and before discharge. It was found that the serum cytokine content in patients with chronic purulent otitis media reflects the severity of the inflammatory process, which may be of diagnostic value. Surgical trauma increases the levels of proinflammatory cytokines. Relief of inflammation leads to increased levels of IL-2 and to decrease in IL-6 and TNFα. (Cytokines and Inflammation. 2012. Vol. 11. № 4. P. 82–84.)

Key words: chronic purulent otitis media, the sanitizing operation, cytokines.