Characteristics of the immune and cytokine status of patients with severe purulent-inflammatory diseases of the face and neck

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100 patients with severe face and neck pyoinflammatory diseases (PID) were included in the study. Severe face and neck PID were accompanied with the activation of cytokine network with preferential increase in immuno-initiating cytokines. Among studied patients, there were two subgroups who had clinical and immunologic marks of immune deficiency — these were patients with a cellular deficiency of adaptive immune responses associated with low levels of IL-2, and patients with combined deficiency of adaptive and innate immunity that was associated with insufficient production of IL-1β. (Cytokines and Inflammation. 2012. Vol. 11. № 2. P. 113–118.)

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