

## **Comparative assessment of indicators of blood and the mixed saliva of patients against acute parenchymatous parotitis**

© **Lyudmila V. Belskaya**,<sup>1\*</sup> **Andrey S. Korshunov**,<sup>2\*</sup> and **Peter I. Ivasenko**<sup>2</sup>

<sup>1</sup> *Department of Chemical Technology. Omsk State University. Pr. Mira St., 55-a. Omsk, 644077, Russia.*

*Phone: +7 (3812) 64-24-10. Fax: +7 (3812) 64-24-10. E-mail: LudaB2005@mail.ru*

<sup>2</sup> *Department of Maxillofacial Surgery. Omsk State Medical Academy. Lenin St., 12. Omsk, 644043. Russia.*

\*Supervising author; <sup>†</sup>Corresponding author

**Keywords:** *parenchymatous parotitis, abscess formation, saliva, chemical composition.*

### **Abstract**

A comparative evaluation of serum biochemical parameters in patients with primary parenchymatous parotitis aggravation with those of mixed saliva of the patients was carried out. We found high correlations in biological fluids in terms of total protein, chloride, ALT, AST, phosphatase, amylase and creatinine. The obtained informative parameters of the saliva can be used when inspecting the patients with primary exacerbation of parenchymatous parotitis on the pre-hospital stage for establishing severity, forecasting and for efficiency of therapeutic measures of high-precision, noninvasive pathognomonic tests.