



125284, , , 12, 4

E mail: pradomvb@mail.ru

*the biological features of microflora is synthesis short chain acids. We studied the maintenance short chain acids in an oral liquid in patients with inflammatory periodontal diseases using the method of the Gas Liquid chromatography and efficiency of complex application of preparations Stomatidin and Lizobakt in correction of infringements of microbiocenose in oral cavities at the given category of patients.*

**Keywords:** *periodontitis, short chain acids, Gas Liquid chromatography.*

**Clinical possibilities of use metabolites of microflora in diagnostics and treatment of inflammatory periodontal diseases**

**V.O. Bogdanova, V.V. Dpirin, M.D. Ardatskaya, S.A. Zaslavsky**

**Summary**

*Inflammatory periodontal diseases gingivitis and periodontitis represent a serious medical and social problem. Nowadays the role of the microflora in development of infectious inflammatory periodontal diseases is established. It is known that one of*

[4, 8, 15].

[3, 7].

[5, 7, 10, 11].

( ),

[1, 2, 6, 9, 13, 14].

[4, 8, 15].

(Parma, 1960),  
Green J., Vermillion J., 1964),  
(1971),  
(, 1982),  
1956).

(OHI S,

CPITN  
Russel,

20

65

2007 2009

(1) ) 10 15 ( )

( ) 1/2 , 2 ( 3+ 4)/ 2). ( )

( ) , ( ) , ( )

1 1,5 ( ) ( )

( ) ( )

( / ).

2 - 5 5 2 6

3 , 10

10

10

33,31 +1,53 21,45 + 0,09.

1). ( 2,86 + 0,15 1,37 + 0,08, OHI S

2 4 1,69+0,10 0,85+0,10,

CPITN 1,80 + 0,07 1,74+0,10

( 2) ( ) 1,01+0,07, 0,81+0,08.

( 4)

1. ( / ), 2 4 ,

( / ), 5/ 5 2 6

	2 ( / )	2 ( . )	( . )	4 ( . )	( . )	( . )	/ ( . )	5/ 5
	1,4±0,10	0,810+0,009	0,145+0,007	0,045+0,002	0,223+0,011	0,050+0,004	1,300+0,025	3,1
	1,436+0,131 1,639+0,215	0,774+ 0,008* **	0,178+ 0,008* **	0,048+0,003	0,292+0,014	0,048±0,005	0,904+ 0,111*	3,8+0,6
		0,729± 0,007* **	0,198+ 0,009* **	0,073± 0,005* **	0,373+ 0,016* **	0,064+ 0,006*	0,745± 0,107*	6,65 +

\* <0,05 ;

\*\* <0,05 ( )

2. ( )

1,64+0,19 1,41+0,11.

2 4 :

( )

( 0,083 ).

0,052+0,004. 0,056+0,006 2 4,

( 0,276 ). ( / )

( 2 6 5/ 5) E.coli,

( 2,025 ).

Clostridium Fusobacterium (

[10].

(E.coli, )

Bacteroides

Fusobacterium Clostridium

(E.coli, ).

[2, 12].

2. ( / ), 2 4 ,

( / ), 5/ 5 2 6

	2 ( / )	2 ( . )	( . )	4 ( . )	( . )	( . )	/ ( . )	5/ 5
	1,40+0,07	0,810+0,009	0,145+0,007	0,045+0,002	0,223+0,011	0,050+0,004	1,300+0,025	3,1
	1,64+0,19 1,41+0,11	0,74 ± 0,007*	0,191 + 0,008*	0,063± 0,005*	0,341+0,014*	0,056+ 0,006*	0,824+ 0,029*	5,225+1,6*
		0,795± 0,010**	0,152+ 0,007**	0,053 + 0,004**	0,258+ 0,018* **	0,052+0,004	1,100+ 0,031**	3,2+0,2**

\*\* <0,05 : \* <0,05 ( )

/Cn

) " "
5/ 5

( 2 6)

1. . . . . // 2004. 9. .
- 63.
2. . . . .
- //
3. . . . . 1 998. . 76 82.
4. . . . . 2006. . 15.
5. B.C. . . . . 4 . 2001. . 26 39, 71 77, 95, 1 1 1 126, 178.
6. . . . .
7. . . . . 2003. . 1 78 21 2.
- // BicHHK . . . . . 2007. 1. . 6 11.
8. . . . .
9. . . . . , 2005. . 322.
10. O.K. . . . . / , 2001. 768 : . (XXI ).
11. . . . . // . 2002. 4. . 9 12.
12. . . . .
13. . . . . 2005. 25 .
14. . . . . // . 1 996. 2. . 8 11.
15. Lu SY, Shi Q, Yang SH Bacteriological analysis of sub gingival plaque in adolescents. (Journal Article) Zhonghua Kou Qiang Yi XueZa Zhi 2008 Dec; 43 (12): 737 740.
16. Rambaud, J. P. Buts, G. Corthier, B. Flourie. Gut microflora. Digestive physiology and pathology. Edited by J. C. London. John Libbey. Evrotext. 2006. 247 p.