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(197089, . - , . 12,
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(197022, . - , . , 6/8).

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(.., 1997; .., 2001; Braman S.S., 1993). -

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EPR-2, 1997; .., -

2001; ISSAC Steering Committee, 1998). -

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.., 1994; .., .., 1996; .., 1996; -

Barnes P.J., Liew F.Y., 1995). -

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(.., .., 1995; -

.., 1997; Corrigan .., .., 1991; Barnes P.J., Pedersen S., 1993). -

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(.., 1994; -

.., 1997). -

(.., 1995; .., -

1996; Barnes P.J., Adcock I.M., 1995; Leung D.Y.M., Szeffler S.J., 1999). -

(.., 1995; .., -

1996; Adcock I.M., 2000). -

(Leung D.Y.M., Szeffler S.J., 1999), -

5 % (Barnes P.J., 1998; Leung -

D.Y.M., Szeffler S.J., 1999). -

(Chan .. et al., 1998; Leung D.Y.M., Szeffler S.J., 1999)

(Adcock I.M. et al., 1995; Barnes P.J., Adcock I.M., 1995; Lane S.J., 1997; -

Leung D.Y. et al., 1998), -

(A. , 1999; -

.., 2001; Lucert .., Raisz L.G., 1990; Schatz .. et al., 1993). -

(Sher E.R. et al., -

1994; Leung D.Y.M., Szeffler S.J., 1997; 1998).
(Barnes P.J., 1997),
(Lamberts S.W.J, et al., 1992; Malchoff D.M. et al., 1993; Lane S.J. et al., 1994; Demoly P. et al., 1996).
(Sher E.R. et al., 1994).

(Sher E.R. et al., 1994; Leung D.Y.M., Szeffler S.J., 1997; 1998).

(Adcock I.M., 1996; Barnes P.J., 1996; 1997).

1.

2.

3.

3.

HLA- 10, 41 35, 35, 41
 35 41 10 35, 10 41,

4.

os TNF IL-8
 TNF IL-8

5.

HLA- 2, 10, 35, 41 (10
 41)

6.

) IgE-

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HLA-

1

per os,

(TNF IL-8)

1

HLA-

) (

1.

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», (.., 1997, 1999, 2000, 2001); 9

(.., 1999); 10

(.., 2000); 11

(.., 2001); 4

« 2000» (.., 2000);

(.., 2000);

(.., 2001);

(

2001); XX Congress of European Academy of Allergology and Clinical Immunology (Berlin, Germany, 2001); 11 ERS Congress (Berlin, Germany, 2001); XXI Congress of European Academy of Allergology and Clinical Immunology (Naples, Italy, 2002); 12 ERS Congress (Stockholm, Sweden, 2002).

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4 , 14 , 15 , 1

339

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77 28

515 (144 371

).

				460	
	() ,			100	
20					
		166	(0,36)	294	(0,64).
				15 79	
	43,64±0,67				
0,1	60			9,16±0,38	74 -
	(0,16				,
229	(0,50)	157	(0,34) -		-
				(1995)	-
					-
				191	-
(0,42)				(-
)		130	(0,28) -		-
()			-
					-
				per os.	139 -
(0,30)				() .	
2	: 112				-
()	27				
() .					
		(.., 1997).	-
		,		7-	
		20			
15 %				1	.., 1996).
					-
		(1995).	375	(0,82)	-
		(,	,	-
) .	-
				187	(0,41).
					-
		186	(0,40).		-
672,30±36,47				per os	-
139		(0,30).			

16,24±0,91

11,13±0,53

4,97±0,43

67

(0,48)

27

32

23 -

13

39

(0,57

38

).

72

32

(), 40

-2

).

per os.

50,

75,

1

(Raw)

(SGaw).

15

11-

(1962)

De-Moor

(1967),

(1980)

(1989).

(.., 1976).

: , « »
 30 40
 30%.
 2-3 3 5
 (" ", -), 500
 400
 3
 236
 1-3- 10-12-
 7-10
 (, 1982; , 1982)
 (Statistica for Windows
 v. 5.0; Statgraphics v.7.0).
 ()
 0,05.
 COMOD-
 (T. , . , 2002).
 (. , . , . , . , .)
 (. , . , 2002; Fomin B.F. et al., 1992).

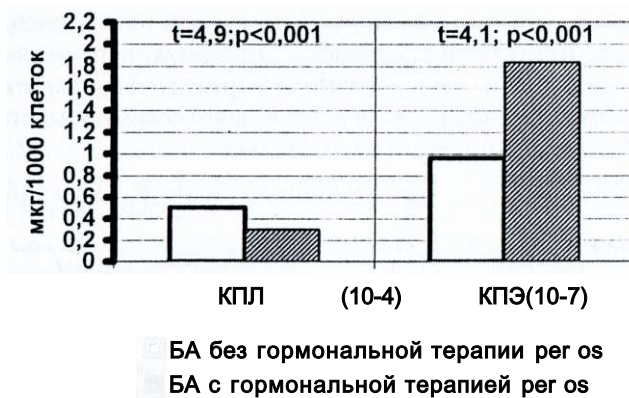
() $(0,835 \pm 0,051) \cdot 10^{-4}$ /1000
 ()
 $(3,109 \pm 0,504) \cdot 10^{-7}$ /1000
 ((0,444 ± 0,020) 10^{-4}
 /1000 ; t=8,08, <0,001), ((1,295 ± 0,111) 10^{-7}

/1000 ; t=5,45, <0,001)

(. 1).

(Gamettchu . et al., 1993).

).



. 1.

per os.

(92,74±19,59 198,94±28,47 / , ; U= 187,5; <0,05).

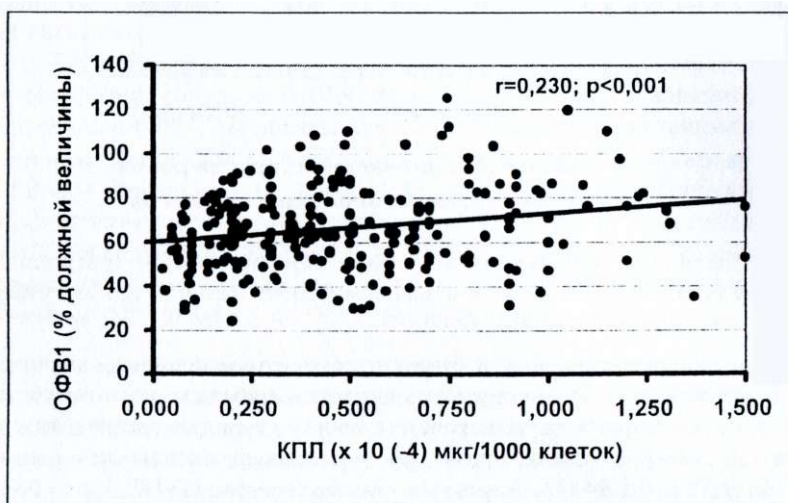
(t=7,76; <0,001),

,
/1000 , ((0,504±0,090) (0,243±0,030) 10⁻⁴
; t=3,55, <0,001) -
(t=1,12; >0,05). -
(Leung D.Y.M., Szeffler S.J., 1999) -
-
-

(1,911±0,327) (1,649±0,313) 10⁻⁷ /1000 ; t=0,48;
>0,05). -
-

per os (>0,05).

<0,001), 1 (r=0,43; <0,001) (. 2). -



. 2.

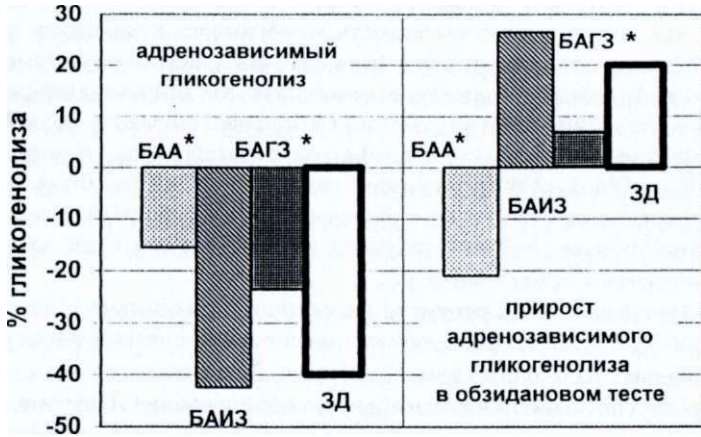
1

(

).

« » (= 0,093; <0,05).
,
(. . . , 1995),
,
Chen Y.Z. Qiu J. (1999) ,
G- - .
,
,
,
(Nijkamp F.P. et al., 1992),
(Irusen . et al., 2002).
(-40 % (-15,58±8,86 % ,
(-21,00±7,29 % , +20 %) -
,
,
,
(k J.C. et al., 1995) (. 3).
,
-14,00±11,24 %) ()

($t=0,38$; $>0,05$).



группы обследованных

* показатели достоверно отличаются от нормы

3.

cock I.M., 2000).

(Ad-

()

($1,78 \pm 0,05$ /)

($t=2,93$; $<0,006$)

()

($t=2,55$; $=0,014$).

$1,71 \pm 0,05$ /

($t=3,11$;

$<0,004$)

($t=2,75$; $<0,009$).

(. 4).

1,61±0,02 / ,

(t=2,88; =0,010)

(t=3,35; <0,003).

(1,58±0,02 /)

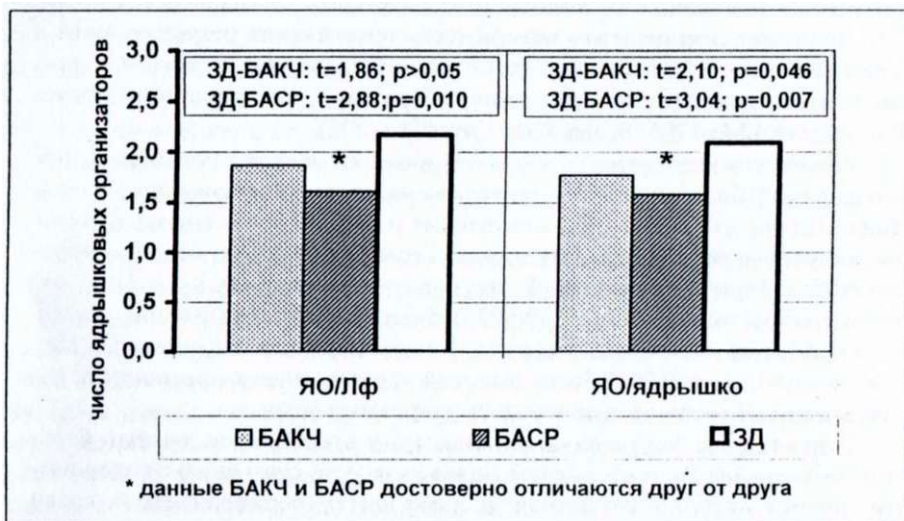
(t=3,04;

<0,007)

(u= 19,00; <0,003).

(<0,05)

« ».



. 4.

I

(Sher E.R. et al., 1994;

Leung D.Y.M., Szeffler S.J., 1999),

), (td=3,06; =0,016 td=3,22; =0,012, (Adcock I.M., 1996). in vitro (Barnes P.J., Adcock I.M., 1995; Spahn J. D., Covar R., 2001). (t=2,32; =0,029) (t=3,94; <0,001) (U=29,0; =0,047). (U=60,5; <0,004), (U=105,0; =0,018) (U=35,5; <0,0002)

(t=2,59; =0,015) , (t=3,94; <0,001) ,
(t=2,78; =0,006 t=3,82; <0,001, IgE).
(t=2,13; =0,035) IgA,
(t=3,98; <0,001 t=3,81; <0,001,),
CD8+ (t=2,41;
=0,022) CD8+
(>0,05). (t=2,58; =0,011) ,
IgE,
(t=2,21; =0,028 t=1,99; =0,048,)
CD4+
IgA IgE
2,47±0,19 / , 2,95±0,34 / (t=1,08;
>0,05).
IgA
353,9±53,6 / . IgE IgE
487,0±152,3 / .
IgE (t=0,97; >0,05).
IgE
IgE
(td=2,52; =0,04) .
IgE per os

(td= 1,05; >0,05).

per os

(t=3,68; <0,001).

CD3+, CD4+, CD8+, CD16+

CD25+

CD20+

t=2,66; =0,024,

).

(t=2,38; =0,032

IL-8,

IL-4

IFN

IFN

Lee S.C. et al., 1999),

(Orris . . et al., 1997;

IgE

Th1 —

IgE

td=2,63; =0,016).

(313,21 ±63,38 246,27±64,16 /

per os

IL-4, IFN TNF

IL-8

(7,68±1,70 26,63±9,92,

; t=2,94; <0,01).

IL-8

A (Shute J.K. et al., 1997).

IL-4, IFN , TNF IL-8

IL-4 IFN

IL-4

IFN

Th2 Th1

TNF IL-8

(U=0,0; =0,043 U=0,5; =0,037,).

TNF IL-8

(Leung D.Y.M., Szeffler S.J., 1999) ,

5q

HLA (

, 1998).

10, 35, 41,

-

2.

10 41

2, 10, 35 41,

10 41

10, 41

35

per os

(COMOD-).

COMOD-

« » -

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per os

(«-»)

(«+»),

per os

(«-»).

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» OO , 2.

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(OO) ,

(2).

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(/ /), Mg

-

(CD20+ , CD3+, CD4+ IL-4

).

Cu

-

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-

-

-

»

1

(10, 7, 35).

HLA

-

«

» , (

).

per os ().

,

1, , 50, SGaw ,

-

per os.

«

» CD3+, CD4+, CD8+ IFN

, TNF , IL-8 ,

CD20+ , -

IL-4 , ,

-

11-

(/ /).

11 35 (HLA),

COMOD-

-
-
-
-
-
-

(Leung D.Y.M., Szefer S.J., 1999; Sher E.R. et al., 1994).

(Leung D.Y.M., Szefer S.J., 1999),

11 (0,34)

() 32

40
16

17 (0,43)
(0,58)

(rs=0,29; t=2,40; p=0,019).

2,08±1,50

(t=2,16; p=0,052),

0,91±0,61

(χ²=9,05; p=0,011)

4,00±2,60

(t=2,56; p=0,023),

0,91±0,61

(χ²=9,35; p=0,01)

(td=4,73; p<0,001)

(td=3,57; p<0,001),

IgE (td=4,06; p<0,001)

(td=4,58; p<0,001)

p<0,05; p=0,035).

(td=6,66; p<0,001),

IgE (td=4,00;

<0,001),
(s_0 : $td=2,98$; $=0,005$). , TNF
($td=3,09$; $=0,007$) IL-2 ($td=2,31$; $=0,032$)
(%)
(CD16+), TNF
IgE ($td=4,20$; $=0,001$)
($td=3,02$; $=0,012$)
IL-8 ($td=2,05$; $=0,058$) IL-2 ($td=1,91$; $=0,075$).

1.

2.

3.

4.

in vitro

5.

6. per os

7. Th1-
TNF IL-8
per os,

8. 1
35
10, 41
35, B35B41 10 35,

9. per os, HLA-
2, 10, 35 41 (10 41),

10. IgE- (

1. Howel Black

2. (TNF IL-8) -
 IL-8 TNF / -
 per os -

3. 1 HLA -

• 35 -

• 10, 41 35,
 35 41 10 35, 10 41, -

• A1, A11, 28, 16, 21
 35, 1 28, 16 21
 2 16, 11 35 -

• 2, 10, 35 41, -

4. () -

() -

1. -

// . .-1991- . 63, 10.- . 75-79. -

2. 3., . . . -

// : , 1995. -
 . 222-225. -

the lymphocyte Cortisol absorption in patients with bronchial asthma // Eur. Respir. J. - 1995. - Vol. 8., Suppl. 21 - 434 s., P. 2135.

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28.10. 2002 . . . 2,0
60x84 1/16
100 . 454/02
197089, - , . . 6/8