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3.1.4. –

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	.....	4
1	-	
	.....	12
1.1	.....	13
1.2	. ..	14
1.3	.....	18
1.4	.....	23
2	.....	33
2.1	.....	33
2.2	, .....	36
2.2.1	, .....	36
2.2.2	, .....	38
	.....	39
2.3	.....	39
2.4	.....	42
2.5	, .....	43
2.5.1.	.....	43
2.6	, .....	44
2.7	.....	45
3	, -	
	.....	47
3.1	, -	
	.....	47
3.2	.....	49
3.3	- -	
	.....	52

4		
	.....	69
5	,	-
	.....	86
5.1	.....	86
5.2.	,	
	.....	88
5.3	.....	95
5.4	.....	97
5.5	.....	98
	.....	110
	.....	125
	.....	127
	.....	128
	.....	129
	.....	146

2019; Say L. et al., 2014; Silver R.M., Barbour K.D., 2015; Jauniaux E. et al., 2019).

2017; Thurn L. et al., 2016; Jauniaux E. et al., 2019).

decidua basalis (Fitzpatrick K.E. et al., 2012; Jauniaux E., Jurkovic D., 2012; Silver R.M., Barbour K.D., 2015; Barinov S. et al., 2019).

(Clausen et al., 2014; Palacios–Jaraquemada J.M. et al., 2020).  
2018; Wright J.D. et al., 2011; Korejo R. et al., 2012; Bluth A. et al., 2021).

D.Goffman

12%

(Silver R.M., Barbour K.D., 2015).

(Palacios–Jaraquemada J.M., 2012).

(., 2015; Silver R.M., Barbour K.D., 2015; Jauniaux E. et al., 2019).

XX

(Korejo R. et al., 2012; Feng S. et al., 2017; Zhang Y. et al., 2017; Annan J.J.K. et al., 2020).

(., 2011; Clausen C. et al., 2014; Piñas Carrillo A., Chandraharan E., 2019; Piñas-Carrillo A., Chandraharan E., 2021).

(Dhansura T. et al., 2015; Stubbs M.K. et al., 2020; Bluth A. et al., 2021; Lopez-Erazo L.J. et al., 2021).

(Nooren M., Nawal R., 2013; Shamshirsaz A.A. et al., 2015; Erfani H. et al., 2019; Palacios-Jaraquemada J.M. et al., 2020).

25-30% , ( . . . , 2016; . . . , 2017; Palacios Jaraquemada J.M. et al., 2007; Piñas Carrillo A., Chandraharan E., 2019).

( . . . , 2017; Silver R.M., Barbour K.D., 2015; Al-Hadethi S. et al., 2017; Palacios-Jaraquemada J.M. et al., 2020).

( . . . , 2020; . . . , 2021; Teixidor Viñas M. et al., 2015; Sentilhes L. et al., 2016).

( . . . , 2020; Palacios-Jaraquemada J.M., 2013; Shamshirsaz A. . et al., 2015).

( . . . , 2019; Sentilhes L. et al., 2016; Kutuk M.S. et al., 2018; Tokue H. et al., 2019; Ma Y. et al., 2020).

(Teixidor Viñas M. et al., 2015; Sentilhes L. et al., 2018; Palacios-Jaraquemada J.M. et al., 2020).

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30-33

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(2006.01) /

.- 2021113955; .17.05.21; .25.11.21, . 33).

•  
 « - – 2019»  
 ( - , 2019); - -  
 « » ( , 2020); III  
 « , -  
 » ( - , 2021).

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 ( 5 25.10.2021).

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 3.1.4. – « -  
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	51		120		,	171		,
18		26	.					

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[1, 68, 79, 111]. ,

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[1, 79, 137]. -

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[87, 89, 96, 97]. -

«placenta accreta» – -

, «placenta increta» –

«placenta percreta» – -

[11, 12, 161]. -

- , , -

« » (Placenta accreta spectrum) [79]. -

,

[2, 33, 60, 111]. -

,

[11, 60, 161].

1.1

25

, . . . Betran

. (2016), 121 -

25 [6, 44, 168].

7% 1990 . 19% 2014 [1, 31, 79].

(40–50%),

– (3–6%).

22 35%,

34%. , , , -

50% [97, 124, 136, 153, 162].

, -

. . . Betran . (2016) « -

» [18, 103, 118, 135, 140, 149, 162]. -

[44, 51, 62, 170]. 25

3 2017 29,3% [25, 30, 77]. -

, . , 20 . . -

, - ,

0,001% (5 70 000 ) [12].

,

,

[50, 57, 118, 119, 129, 144, 145, 150]. ,

R.M. Silver . [161],

, , 60 [17, 85]. -

M. Makhseed ., F.G. Cunningham ., G. Kayem .

XXI ,

0,02 0,18%

[13, 64, 91, 161].

-

placenta accreta, increta, percreta

«placenta accreta spectrum» [79]. ,

«placenta accreta» – decidua basalis,

53 72%. «placenta increta» – 21–47%, -

– «placenta percreta», 4–18%, -

[45, 69]. ,

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1.2

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25%

3

[43, 98].

.R.M. Silver

2006

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6

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27

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3%,  
 . [89]  
 [54]

15  
 – 67% [144].

. Fitzpatrick  
 62%, L. Thurn  
 , -

, ,  
 49% . -  
 7 [60, 97].

. . , 1845–1894 . 147 698  
 655 , ,  
 225 [1, 25, 51, 72]. 2009 2012

. , -  
 , 3,4 10 000 .  
 . . (1962), 33163 -  
 0,39% [29, 164]. , -  
 . 1990 2001 .  
 0,17 0,74% [31, 122].

, , -  
 , . -  
 -  
 , [61, 157], -  
 [10, 13], , [129], , -  
 , [23, 70, 111], [76, 121]. -  
 [12, 16, 155]. -  
 , -  
 , -  
 , -  
 [8, 37, 107, 171]. , -  
 .

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 - , -  
 , -  
 , -  
 , [22]. -  
 , -  
 , Renaud S.J. . [110] -  
 NK- -  
 . -  
 , -  
 - , -  
 NK- [143]. -  
 , -  
 , -  
 [15, 42, 89]. , -  
 , , -  
 4 [91, 93, 95]. , -  
 , , -  
 [2, 66, 110, 127]. -  
 , -  
 , -  
 (extravillous trophoblast) [47, 54]. -  
 , , -  
 decidua , -



[49, 84, 110, 134].

(incretina / percretina).

[26].

[56, 66, 88, 128].

37,461

B. Salmanian

. [88],

6,7 (95%

, 2,9–15,6),

[4, 94].

[118, 127].

[42, 47, 139].

( ),

: ( decidua basalis),

( decidual-NK- ),  
[139].

,  
placenta increta      percreta . , ,

### 1.3

2019      FIGO ,  
–      –

[79].      placenta accreta spectrum –

3-      :  
(adherenta or creta);      (increta); –

(percreta). ,

– «placenta percreta» – 3

(a, b, c)

.

(A), B –

, C – .

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PAS      [1, 15, 82, 111].

80–90%, –

– 98%.

, ,      [33, 145, 146, 165].

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III

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[41, 68].

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/

[36, 79, 151].

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/

( ) ,

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[28, 54, 92, 140, 149, 154].

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[3, 89, 120, 125];

-

[3, 133, 162];

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— «

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» . [63, 142, 152].

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15 /

[33, 62, 89,

133].

,

-

(incretta, percretta),

placenta accreta

-

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[119].

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32%.

50,

(p<0,05),

[81, 160].

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. 2000

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J.M. Palacios-Jaraquemada

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2010

. Warshak

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[11],

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100 88 %,

- 100 100 %

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[6, 10, 94,

115].

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[47, 80, 158].

F. D'Antonio

. [148]

-

,

94,4%,

84% [155, 56].

-

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,

. Einerson, R. Silver

. [103, 161]

-

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+

[130, 96].

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(1,5 )

« »

[45, 65].

[60, 95, 111].

[107, 143, 144, 150, 158].

, PAPP-A,

[47, 109, 139, 159].

« »

»,

«

· , -

(NK) - (CD3+ D4+) [100, 101, 102,

104]. NK- 70% -

, 20–25% – 1,7% [34, 51, 71].

uterine natural killer cells(uNK),

[3, 68]. ,

NK- -

, ·

, uNK- -

, -

[62, 63, 65, 67, 86, 142]. -

, - - ·

, u-NK -

, -

[72, 77, 166]. -

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## 1.4

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 . ,  
 R. Silver . [161] , -  
 «in situ» « -  
 » [6, 54, 88]. ,  
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 , « » ,  
 , -  
 [16, 21, 147].  
 21 , -  
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 , ( ,  
 .), [22,  
 59, 151]. , -  
 , , -  
 , -  
 [25, 46, 121].  
 , , -  
 : ,  
 [14, 26, 133] , [13, 57];  
 , [11, 37, 89].  
 - ,  
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, - , -  
[16, 55, 75, 113].

( 40% 50%) [6, 54, 88, 111].

placenta percreta, -  
- 7% [19, 103, 149]. -

50% [63, 161], 90% -  
3000 [18, 94, 124, 128].

2010 [38, 79]

« », «  
».

[39, 158]. -

[107, 150]. ,

(placenta increta/ percreta).

placenta accreta, -

[32]. , -

117, 169]. , -

decidua - -



, -  
 . , -  
 , -  
 [54, 129, 130]. , -  
 , -  
 22 58% , -  
 , [12, 46].  
 J.M. Palacios  
 Jaraquemada. «one-step», 1990  
 , 2004 ,  
 [5, 132, 148]. -  
 68 10 -  
 30% [138, 159].  
 , -  
 [20, 36, 64, 69, 79, 99, 152, 159]. -  
 , -  
 , -  
 , 2 3 -  
 [20, 109, 152].  
 , -  
 .  
 .  
 « » . J.M. Palacios Jaraquemada .  
 2004 , -

· -

· -

« » -

[79, 146, 159].

«one-step»

· :

- S1 - S2. -

· J.M. Palacios Jaraquemada «one-step» -

· -

- 2 ·

· 70% 326 · 69%

1500 [139, 159].

·

T. Angstmann- 2010 9 -

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[19].

2011 · · -

( ) -

· 3-4 -

“The Triple-P”

1500 .

[13],

( )

( ).

( )

Q. Wu . [70].

3 ,

230

921±199

( )

[50, 53].

:

[47, 131].

1286 ± 510 [141].

«one-step»

[159, 165].

J.M. Palacios-Jaraquemada [132], 35–37, 29,5%  
23,3%

. J.M. Palacios-Jaraquemada [132]

30

87%

[109].

[3]

30–34

[58, 72].

34

[24].

A.G. Eller

. (2009),  
(27%)

[35, 67, 118].

placenta percreta

– 32–34

[27, 129, 156].

32

[27].

S. Al-Hadethi

. 2016

( 25

) [95, 102].

2455±1444 ,

- 64%. . . . [12] -

1656±1042 ,

[48, 90, 108].

( ) [14, 59]. -

[6, 113]. -

. [19], -

17% ),

10 15% [83, 163].

[149].

,  
 :  
 .  
 ,  
 A.G. Eller . (2009) , 80%  
 , 28% - [118, 167].  
 C.N. Bisschop  
 . (2011) , (31%)  
 [65, 86, 142]. ,  
 - 4%.  
 81% , 73%  
 [67, 141].  
 , 1980 ,  
 ,  
 [9, 123, 125].  
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increta percreta,

placenta accreta spectrum,

« » -



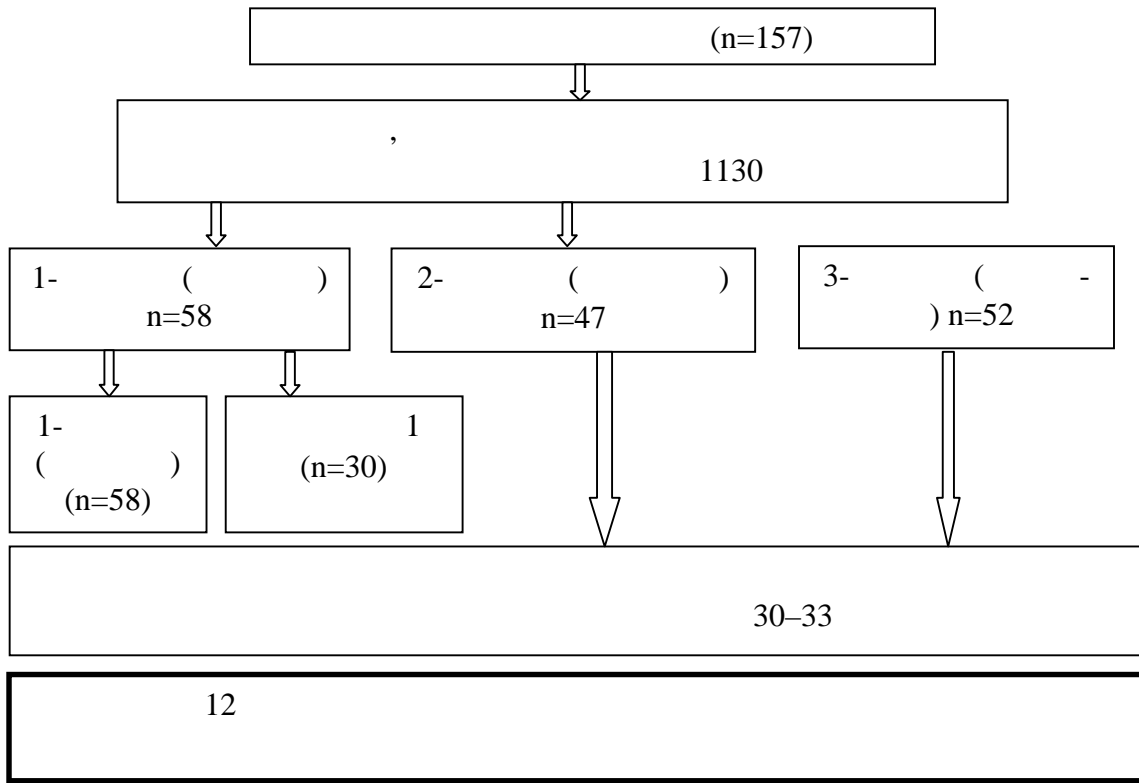
2

2.1

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 . 2018 2021 .  
 157  
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 1130- 20.10.2020 . « -  
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 1- : -  
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 18-49 ; -  
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 58 .  
 2- ,  
 : 1 (n=28),  
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 2 , 1 (n=30),  
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 2 - 47  
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 - 52



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**2.2**

**2.2.1**

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**2.2.2**

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30-33

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VACUETTE-K<sub>3</sub>EDTA

AcTDiff2 (Beckman Coulter, ).

JENAMED 2, (10×100).

(FITC –

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»

BeckmanCoulter ( ),  
 FACS Calibur (Becton Dickinson, ).

1 –

, CD	
CD3	-
CD4	- /
CD8	-
CD16, 56(hi, lo)	NK- , NK-
CD25	-2 ( - - )
CD14	
CD45	
CD45RA	- - , -
CD45RO	- , - , -

CD45 CD14 ( ),

5 ( ), 100 20  
 (20–25° ).

1

Cal-lyse (Caltag,



41

Austria), 10

5                      1500 / .

2                      Cell-WASH

-

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0,5                      Cell-WASH.                      -

10 000                      -

CellQuest.                      -

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	, %	, . . ×10 <sup>3</sup>
CD3+ CD16-( - )	53– 82	0,5 – 2,8
CD3+CD4+ ( - )	35 – 55	0,3 – 1,9
CD3+CD8+ ( - .)	18 – 35	0,16 – 1,23
CD4+/CD8+ ( )	1,4 – 2,3	-
CD19+ ( - )	6 – 21	0,05 – 0,74
CD3- CD16+ (NK- )	9 –23	0,01 – 0,35
CD3+ CD16+ ( NK- )	0 – 10	0,09 – 0,8
CD3-CD8+ ( NK)	1,5 – 6	0,02 – 0,15
D4+CD25+ ( -2)	7 – 17	0,1 – 0,38
CD25+ ( )	13 – 25	0,22 – 0,58
LA-DR+( )	6–22	0,05–0,7
CD23+	1–7	0,01–0,24

2.4

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## 2.5

### 2.5.1.

Voluson E8 Expert, GE, Logic 500, GE,

6- , 12

- 1.
- 2.
- 3.
- 4.



45

58

50

(86,2%).

7 )

8 (13,7%)

(n=47, 100%),

7 (13,4%).

2900,0 (2720,0; 3150,0) ,

2750,0 (2530,0; 2950,0),

3000,0

(2800,0; 3350,0) ,

3200,0 (2950,0; 3300,0).

## 2.7

«Microsoft Excel», «Statistica 10.0», «Eviews 9.0».

«Statistica 10.0».

25 75

(Q25; Q75).

( <0,05)

( <0,001)

( )

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95%

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<0,05

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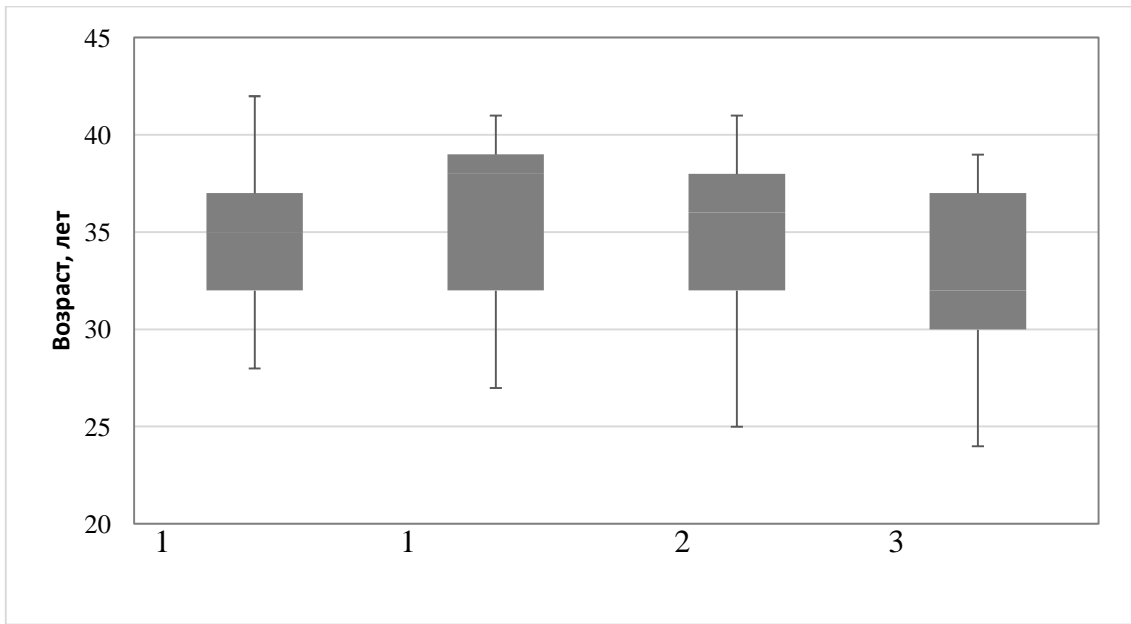
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## 3.1

,

1 1 35,0 (32,0; 37,0) ,  
 1 - 38,0 (32,0; 39,0) , 2 -  
 ( =0,65). 2-  
 -  
 36,0 (32,0; 38,0) ,  
 - 32,0 (30,0; 37,0) , -  
 ( =0,16). 3 2.



2 –

- ,

1- ( ) -

25,3 (22,6; 29,8) / <sup>2</sup>, - 27,1 (23,0; 28,4) / <sup>2</sup>,

( =0,28 =0,39). 1

26,1 (21,2; 28,4) / <sup>2</sup>,

1 , 24,2 (22,9; 30,2)

/ <sup>2</sup>. 2-

27,0 (24,2; 27,9) / <sup>2</sup>, -

(3 ) 27,4 (22,8; 28,5)

/ <sup>2</sup>, -

3.

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3 –

-	1- – (n=58)				2- (n=47)	3- (n=52)
	1 (n=28)	1 (n=30)				
'	35,0 (32,0; 37,0)	38,0 (32,0; 39,0)	36,0 (32,0; 38,0)	32,0 (30,0; 37,0)		
	-value <sub>1</sub> =0,65; -value <sub>2</sub> =0,16; -value <sub>3</sub> =0,28; -value <sub>4</sub> =0,39					
, / <sup>2</sup>	26,1 (21,2; 28,4)	24,2 (22,9; 30,2)	27,0 (24,2; 27,9)	27,4 (22,8; 28,5)		
	-value <sub>1</sub> =0,24; -value <sub>2</sub> =0,22; -value <sub>3</sub> =0,44; -value <sub>4</sub> =0,38					

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3- .

### 3.2

1 7 28 (25,0%), 1  
– 5 (16,7%).

10 2- (21,3%)

, 11 , 21,2%.

3 (2 1

(7,1%) 1 1 50 (3,3%)). -  
 3 2 (6,4%), 4 3-  
 (7,7%).  
 1 (14,3%) 5 1 (16,7%),  
 ( 2- - 8 47 (17,0%), 3- -  
 - 8 52 (15,4%). -  
 . 1  
 25,0% (7 ), 1  
 20,0% (6 ).  
 18 ( 1 8 - 28,6%, 1 10  
 - 33,3%).  
 10 22 (2 - 12 (25,5%), 3 -  
 (19,2%)).  
 (2 ) 8 (17,0%),  
 - 10 (19,2%).  
 -  
 .  
 8 , 14,2% 1 -  
 (4 ) 13,3% 1 (4 ). -  
 , 6 2- -  
 (12,8%) 7 3- (13,5%).  
 -  
 4 ( 2 1 (7,1%)  
 2 1 (6,7%)). 3 2-  
 (6,4%) 5 3- (9,6%).  
 -

4 –

	1- – (n=58)			
	1 - , n=28 ( . ., %)	1 - , n=30 ( . ., %)	2- – - (n=47)	3- – (n=52)
1	2	3	4	5
	7 (25,0%)	5 (16,7%)	10 (21,3%)	11 (21,2%)
	-value <sub>1</sub> =0,12; -value <sub>2</sub> =0,67; -value <sub>3</sub> =0,31; -value <sub>4</sub> =0,49			
	4 (14,3%)	5 (16,7%)	3 (6,4%)	4 (7,7%)
	-value <sub>1</sub> =0,23; -value <sub>2</sub> =0,29; -value <sub>3</sub> =0,36; -value <sub>4</sub> =0,48			
	2 (7,1%)	1 (3,3%)	8 (17,0%)	8 (15,4%)
	-value <sub>1</sub> =0,22; -value <sub>2</sub> =0,58; -value <sub>3</sub> =0,67; -value <sub>4</sub> =0,42			
	8 (28,6%)	10 (33,3%)	8 (17,0%)	10 (19,2%)
	-value <sub>1</sub> =0,78; -value <sub>2</sub> =0,53; -value <sub>3</sub> =0,44; -value <sub>4</sub> =0,49			

4				
1	2	3	4	5
-	7 (25,0%)	6 (20,0%)	12 (25,5%)	10 (19,2%)
	-value <sub>1</sub> =0,22; -value <sub>2</sub> =0,09; -value <sub>3</sub> =0,33; -value <sub>4</sub> =0,61			
	4 (14,2%)	4 (13,3%)	6 (12,7%)	7 (13,5%)
	-value <sub>1</sub> =0,35; -value <sub>2</sub> =0,54; -value <sub>3</sub> =0,24; -value <sub>4</sub> =0,35			
	2 (7,1%)	2 (6,7%)	3 (6,4%)	5 (9,6%)
	-value <sub>1</sub> =0,56; -value <sub>2</sub> =0,12; -value <sub>3</sub> =0,83; -value <sub>4</sub> =0,54			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3- .

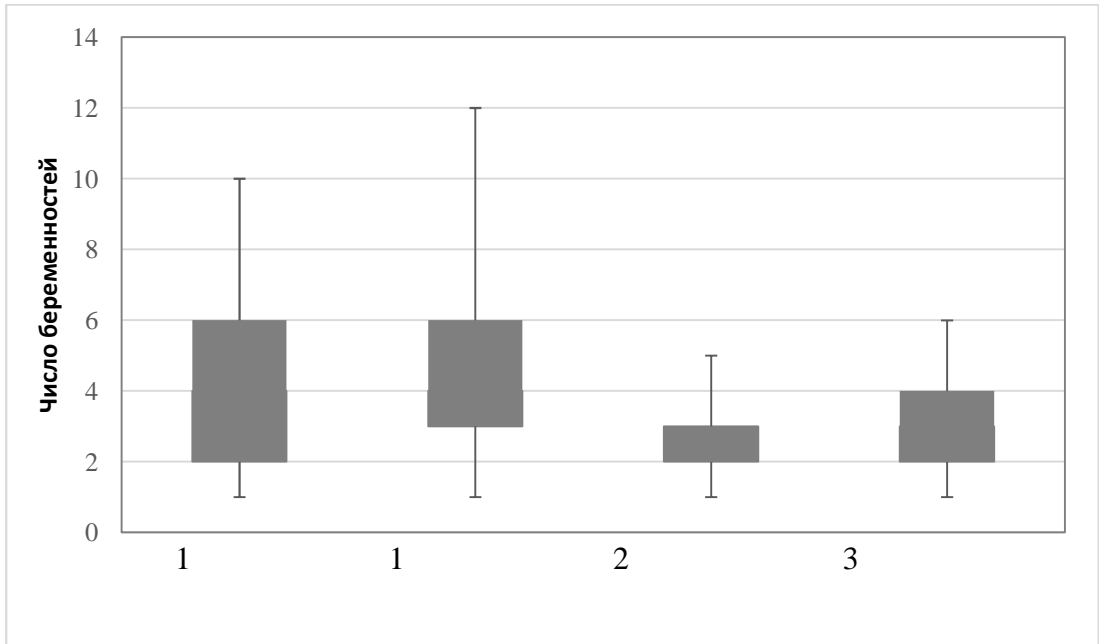
### 3.3

-

( ) , 1- -  
 : 1 – 4,0 (2,0; 6,0) , -  
 1 – 4,0 (3,0; 6,0). , -  
 3,0 (2,0; 3,0),  
 – 3,0 (2,0; 4,0). -

$r_s=0,514, p=0,007.$

5 3.

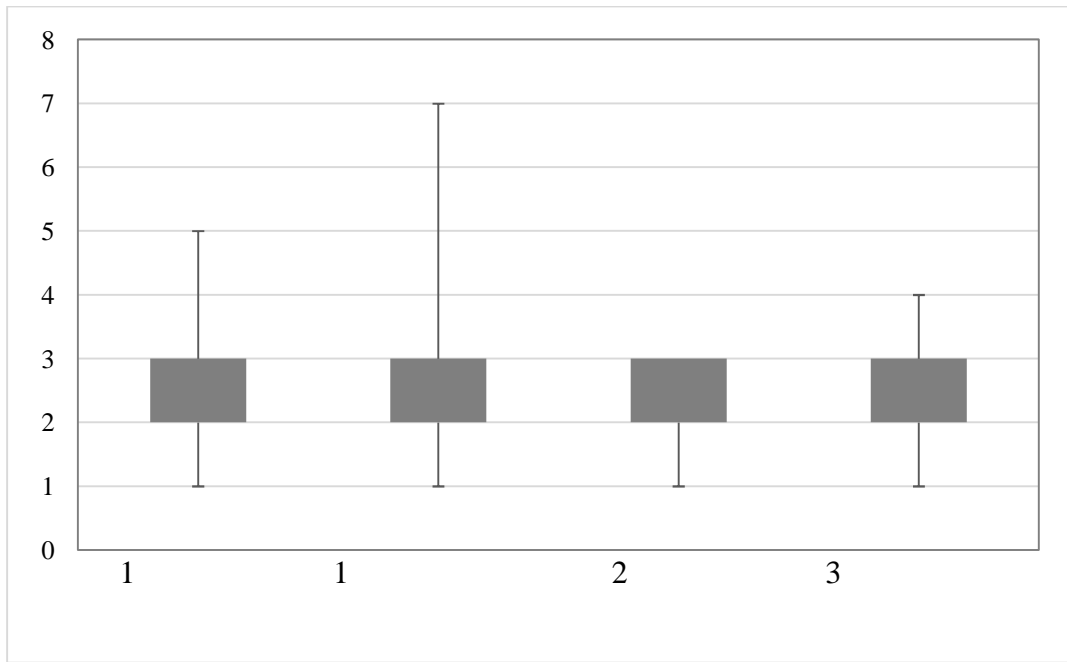


3 –

1 . : 1 – 3,0 (2,0; 3,0) -  
 1 , 1 – 3,0 (2,0; 3,0). , -  
 2,0 (2,0; 3,0),  
 – 2,0 (2,0; 3,0).

$r_s=0,422, p=0,012.$

5 4.



4 -

,

.

,

.

,

1

1,0 (1,0; 3,0)

,

1 - 2,0 (1,0; 3,0)

.

-

,

$r_s = -$

0,67,  $=0,002$ .

2

-

(  $=0,004$ ).

2

(

-

)

3,0 (3,0; 4,0)

,

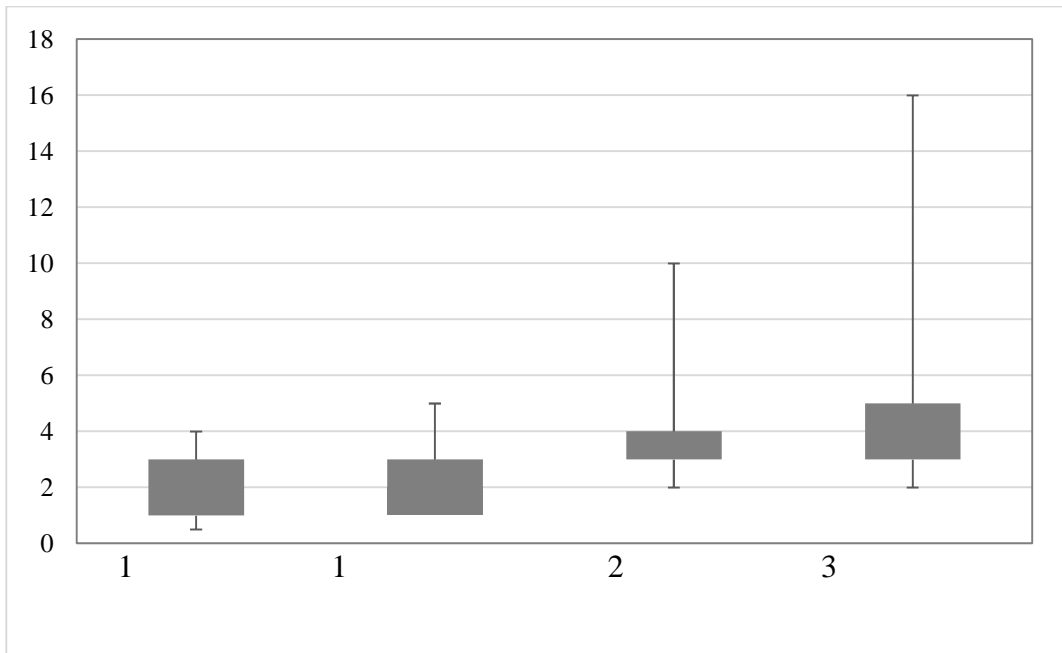
(3) - 3,0 (3,0; 5,0)

.

5

-

5.



5 -

1 1 2,0 (1,0; 2,0) 1,0 (1,0; 2,0)

2,0 (1,0; 2,0),

- 1,0 (1,0; 1,0). 5.

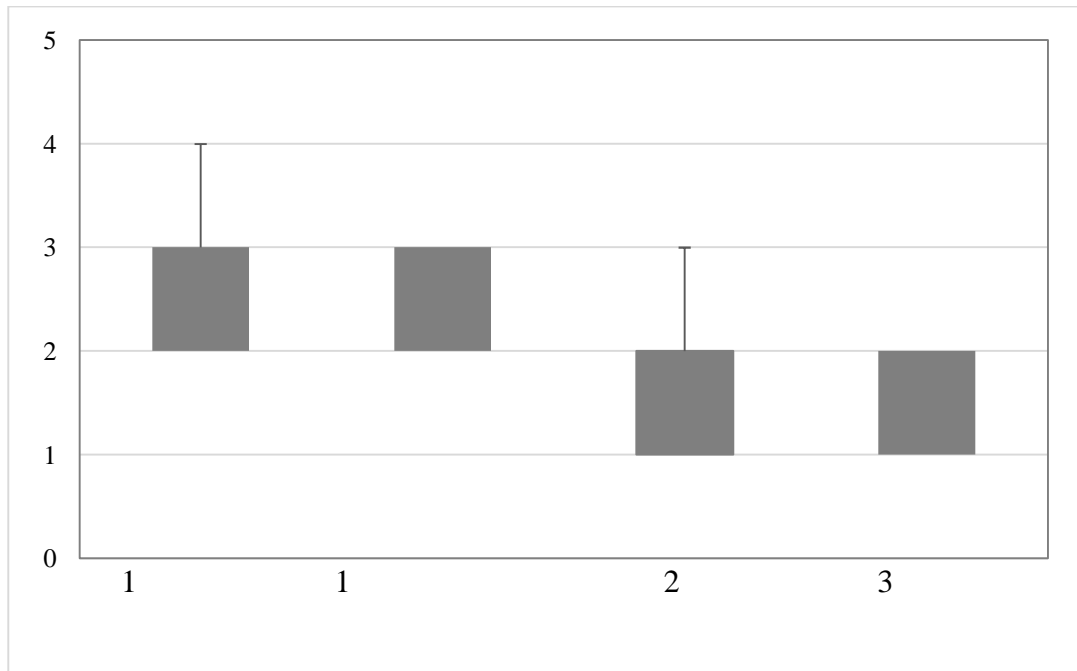
$r_s=0,585, =0,006.$

1 3,0 (2,0; 3,0),

1 - 2,0 (2,0; 3,0).

1,0 (1,0; 2,0),

(3 ) - 2,0 (1,0; 2,0) ( 5, 6).



6 –

10,5 (9,3; 14,0)  
 11,0 (9,5; 13,5)  
 12,5 (8,0; 15,5) 3- ( ) – 13,0 (9,5; 14,0)  
 1 . 2-  
 2- 3-

5 –

	1- – (n=58)		2- – (n=47)	3- – (n=52)
	1 (n=28)	1 (n=30)		
1	2	3	4	5
	3,0 (2,0; 6,0)	3,0 (3,0; 5,0)	3,0 (2,0; 3,0)	2,0 (1,0; 3,0)
	-value <sub>1</sub> =0,66; -value <sub>2</sub> =0,12; -value <sub>3</sub> =0,042*; -value <sub>4</sub> =0,022*			



5				
1	2	3	4	5
	3,0 (2,0; 3,0)	3,0 (2,0; 3,0)	2,0 (2,0; 3,0)	2,0 (1,0; 2,0)
	-value <sub>1</sub> =0,48; -value <sub>2</sub> =0,30; -value <sub>3</sub> =0,002**; -value <sub>4</sub> =0,0001***			
-	1,0 (1,0; 3,0)	2,0 (1,0; 3,0)	3,0 (3,0; 4,0)	3,0 (3,0; 5,0)
,				
	-value <sub>1</sub> =0,18; -value <sub>2</sub> =0,46; -value <sub>3</sub> =0,001**; -value <sub>4</sub> =0,0001***			
-				
-	2,0 (1,0; 2,0)	1,0(1,0; 2,0)	2,0 (1,0; 2,0)	1,0 (1,0; 1,0)
	-value <sub>1</sub> =0,12; -value <sub>2</sub> =0,10; -value <sub>3</sub> =0,08; -value <sub>4</sub> =0,068			
	3,0 (2,0; 3,0)	2,0 (2,0; 3,0)	1,0 (1,0; 2,0)	2,0 (1,0; 2,0)
	-value <sub>1</sub> =0,22; -value <sub>2</sub> =0,64; -value <sub>3</sub> =0,02*; -value <sub>4</sub> =0,012*			
-	10,5 (9,3; 14,0)	11,0 (9,5; 13,5)	12,5 (8,0; 15,5)	13,0 (9,5; 14,0)
,				
	-value <sub>1</sub> =0,60; -value <sub>2</sub> =0,42; -value <sub>3</sub> =0,033*; -value <sub>4</sub> =0,012**			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1 2; -value<sub>4</sub> –

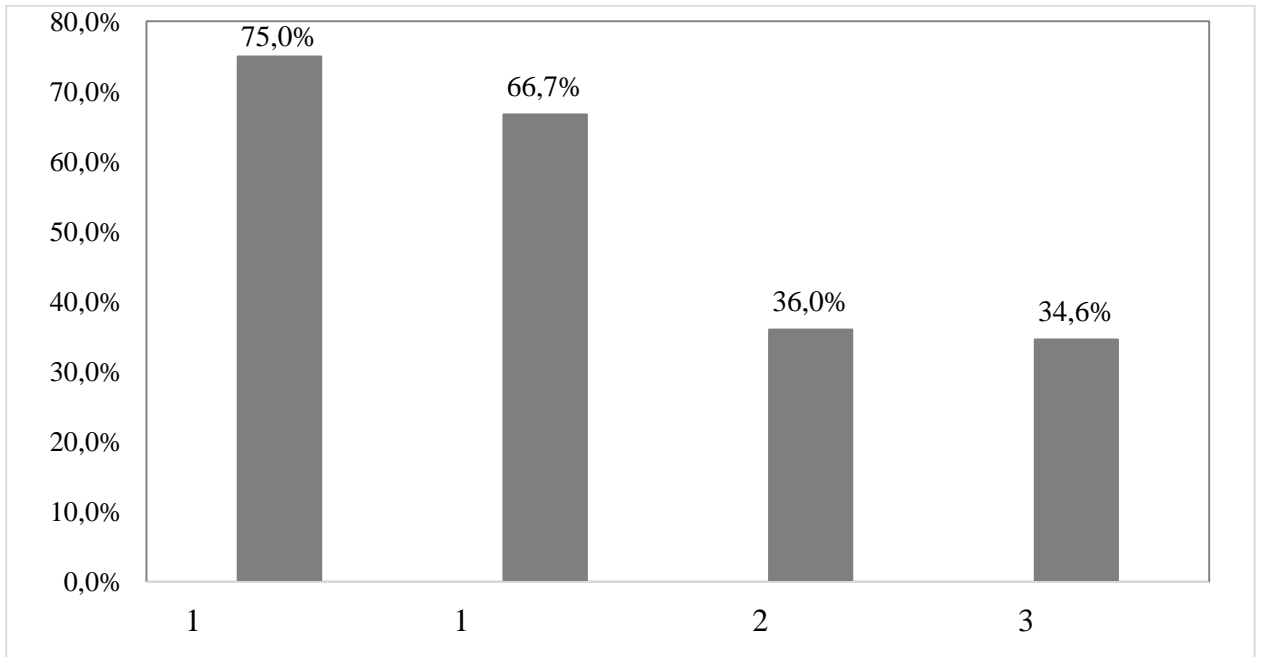
1-

3-

1, 7, 21 (75,0%)  
 25,0% (1) )  
 ( 20 (66,7%)),  
 9 (30,0%).

$r_s=0,414$ ,  $=0,042$ .  
 34,0% ( 16 ),  
 4 (8,5%). 3-  
 18

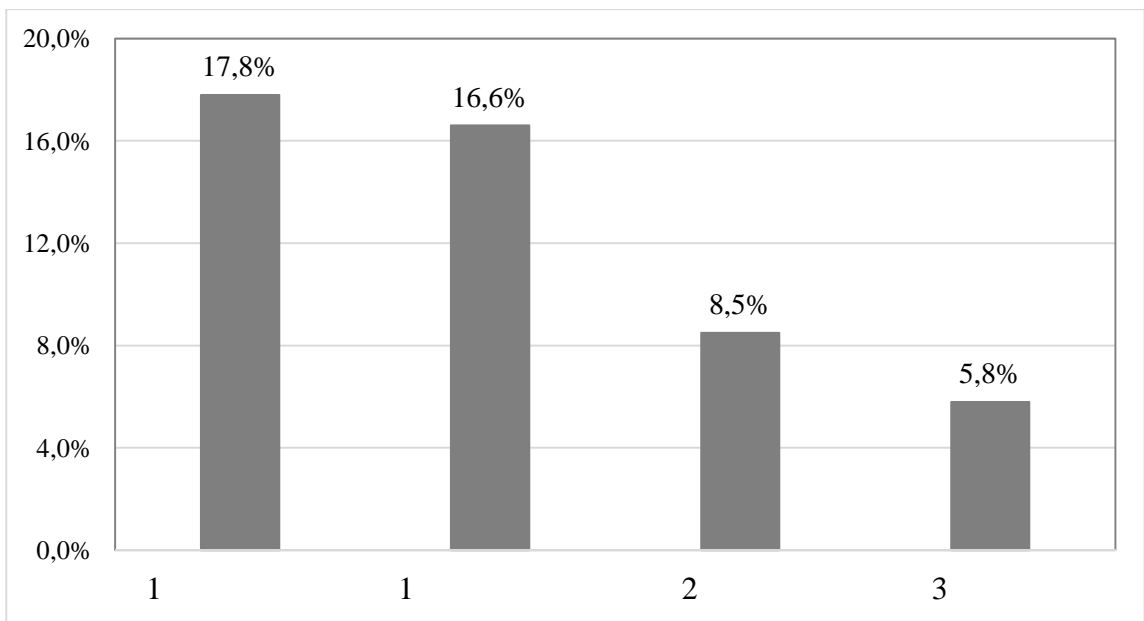
, 34,6%, 7  
 (13,5%). ,  
 ,  $r_s=0,414$ ,  
 $=0,042$ . 7.



1 - 5 (17,8%), 1 - 4 (8,5%), 3 - 3 (5,8%).

$r_s=0,519, =0,004$ .

8.



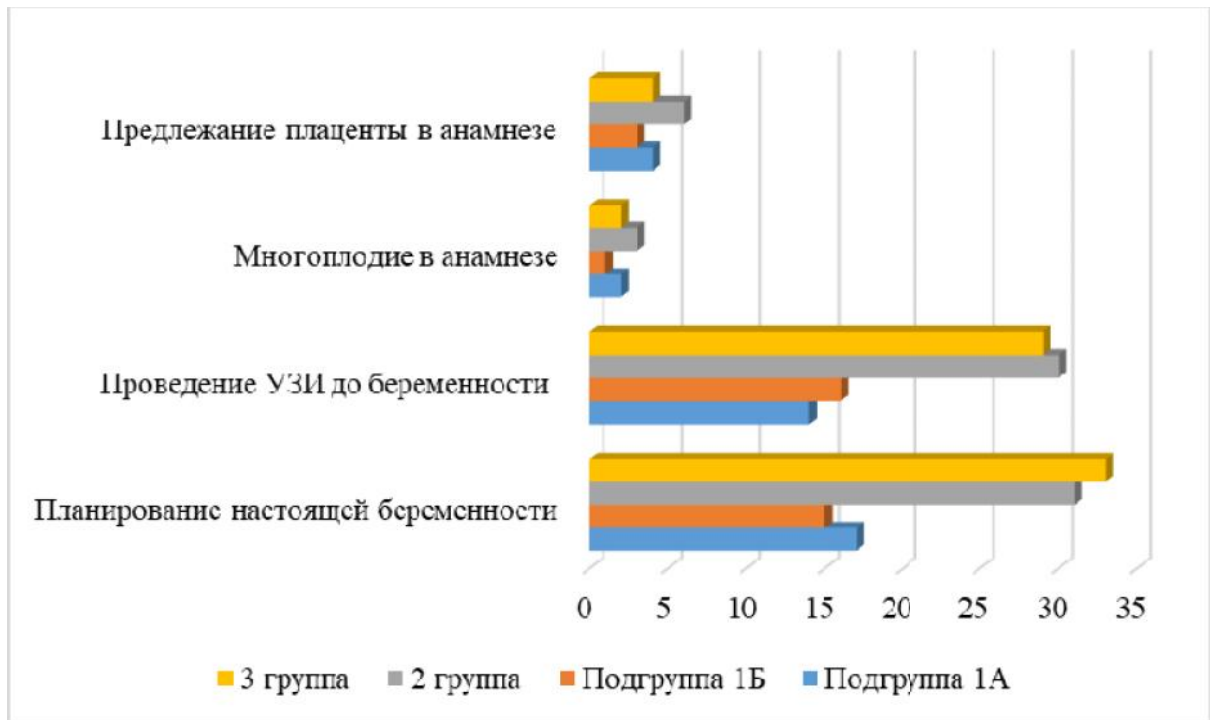
8 -

58 (55,2%), 17 (53,6%), 32 (60,7%)

(2 )

			60			
	65,9% (31		),	3-	33	
	(63,5%).					
30	58,		51,7%.		1	-
	14		(50,0%),		1 - 16	(53,3%).
						59 -
(59,6%),	30		2-		(63,8%) 29	
3-	(55,7%).					-
						-
						-
						-
	6.					-
						-
						2-
1	(7,1%)		1		1 (3,3%)	-
						-
	5		:	3	(6,4%)	-
			(2-	)	2 (3,8%)	-
			(3-	).		-
						-
	7		(12,1%)		10	-
(10,1%),					2- 3-	-
	1					-
	4		(14,2%),		1 - 3 (10,0%).	2-
			,			-
	,					6
(12,8%),			3-		4 (7,7%),	-

9.



9 –

(57,1%), 20 1 (66,6%), 16 1  
 (65,9%) 2- 30 3 (57,7%)  
 7 (3 1 (10,7%), 4

1 (13,3%) 12 2- (14,9%), 5  
 (7 2 (9,6%)). - 2  
 3- 1 (7,1%) , 1 1 (3,3%) 2  
 (2 - 4,2%), 1  
 (1,9%). 6.  
 -  
 , 4  
 1 (14,3%) 3 1 (10,0%),  
 . -  
 , -  
 4 2- (8,5%) , 5  
 (9,6%).  
 3 1 (10,7%), 1 1 (3,3%), 1 -  
 2- (2,1%), 5 3 (9,6%).  
 8 1  
 (28,6%), 10 1 (33,3%), -  
 11 (39,3%) 12 (40,0%) -  
 . -  
 42,5% (20 ).  
 . 3  
 1 (10,7%), 2 (6,7%) 1 -  
 .  
 2- - 8,5% ( 4 ),  
 - 8,8% ( 5 ). 1  
 1 (3,6%), 2 2- (4,2%), 2 3-  
 (3,8%). 6.

6 –

	1- – (n=58)		2- – - (n=47)	3- – (n=52)
	1 - ( . . , %)	1 ( . . , %)		
	16 (57,1%)	20 (66,7%)	31 (65,9%)	30 (57,7%)
	-value <sub>1</sub> =0,41; -value <sub>2</sub> =0,33; -value <sub>3</sub> =0,28; -value <sub>4</sub> =0,64			
	3 (10,7%)	4 (13,3%)	7 (14,9%)	5 (9,6%)
	-value <sub>1</sub> =0,22; -value <sub>2</sub> =0,16; -value <sub>3</sub> =0,26; -value <sub>4</sub> =0,14			
	2 (7,1%)	1 (3,3%)	2 (4,2%)	1 (1,9%)
	-value <sub>1</sub> =0,38; -value <sub>2</sub> =0,41; -value <sub>3</sub> =0,20; -value <sub>4</sub> =0,09			
-	4 (14,3%)	3 (10,0%)	4 (8,5%)	5 (9,6%)
	-value <sub>1</sub> =0,22; -value <sub>2</sub> =0,42; -value <sub>3</sub> =0,36; -value <sub>4</sub> =0,52			
-	8 (28,6%)	10 (33,3%)	20 (42,5%)	–
	-value <sub>1</sub> =0,30; -value <sub>2</sub> <0,001***; -value <sub>3</sub> <0,001***; -value <sub>4</sub> <0,001***			
- -	11 (39,3%)	12 (40,0%)	28 (57,5%)	–
	-value <sub>1</sub> =0,11; -value <sub>2</sub> <0,001***; -value <sub>3</sub> <0,001***; -value <sub>4</sub> <0,001***			
	3 (10,7%)	2 (6,7%)	4 (8,5%)	5 (8,8%)
	-value <sub>1</sub> =0,08; -value <sub>2</sub> =0,48; -value <sub>3</sub> =0,18; -value <sub>4</sub> =0,56			
	1 (3,6%)	–	2 (4,2%)	2 (3,8%)

	1- (n=58)		2-	3- (n=52)
	1 (., %)	1 (., %)	(n=47)	
	-value <sub>1</sub> =0,12; -value <sub>2</sub> =0,44; -value <sub>3</sub> =0,45; -value <sub>4</sub> =0,24			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1 2; -value<sub>4</sub> –

3-

, 1-

(p<0,001).

,

. 1-

: 5 (3; 7) 1

, 5 (4; 7) 1

6 (4; 7)

(2-

), 5 (4; 6)

(3- ).

28 (26; 30)

1

27 (25; 30)

1

: 27 (25; 29)

2-, 28 (26; 30)

3=

5 (3; 5)

1

5

(4; 5) 1



4 (3; 5) -  
 (2- ) 5 (3; 5) -  
 ( ) . -  
 -  
 7.

7 -

	1- - (n=58)			
	1- - - (n=58)	2- - - (n=47)	2- - - (n=47)	3- - - (n=52)
,	5,0 (3,0; 7,0)	5,0 (4,0; 7,0)	6,0 (4,0; 7,0)	5,0 (4,0; 6,0)
	-value <sub>1</sub> =0,28; -value <sub>2</sub> =0,33; -value <sub>3</sub> =0,44; -value <sub>4</sub> =0,35			
,	28,0 (26,0; 30,0)	27,0 (25,0; 30,0)	27,0 (25,0; 29,0)	28,0 (26,0; 30,0)
	-value <sub>1</sub> =0,36; -value <sub>2</sub> =0,25; -value <sub>3</sub> =0,48; -value <sub>4</sub> =0,64			
,	5,0 (3,0; 5,0)	5,0 (4,0; 5,0)	4,0 (3,0; 5,0)	5,0 (3,0; 5,0)
	-value <sub>1</sub> =0,28; -value <sub>2</sub> =0,44; -value <sub>3</sub> =0,25; -value <sub>4</sub> =0,21			

\* - <0,05, \*\* - <0,01, \*\*\* - <0,001, p-value<sub>1</sub> -

1 1 ; -value<sub>2</sub> -

2- 3- ; -value<sub>3</sub> -

1- 2- ; -value<sub>4</sub> -

1- 3-

, -  
 , -  
 . -  
 . -  
 : 5 (17,9%) 1 , 3 -  
 (10,0%) 1 , 5 (10,6%) 2- , 3 (5,7%) 3-  
 ( ) .  
 ( ) 4 (14,3%) 1 -  
 , 3 (10,0%) 1 ,  
 7 (14,9%) -  
 (2 ) , 8 .  
 (3,6%) 1 , 1 (3,3%) 1 , 3 -  
 (6,4%) 2- , 1  
 (1,9%) .  
 2 (7,1%) 1  
 1 (3,3%) 1 ,  
 4 (8,5%) 2- , 2 (3,8%)  
 .  
 (7,1%) 1 3 (10,0%) 1 , -  
 2 -  
 (4,3%) 1 (1,9%)

(1 (3,6%) 1 2 (6,6%) 1 -  
 ) 5 (2- -3 (6,4%), 3- -2 -  
 (3,8%)).

( ) 5 (2 1-  
 (7,1%) 3 (10,0%) 1 1  
 , 2- (2,2%) 8.

8 –

	1- – (n=58)			
	1 - ( . ., %)	1 - ( . ., %)	2- – - (n=47)	3- – (n=52)
1	2	3	4	5
	1 (3,6%)	1 (3,3%)	3 (6,4%)	1 (1,9%)
	-value <sub>1</sub> =0,65; -value <sub>2</sub> =0,58; -value <sub>3</sub> =0,25; -value <sub>4</sub> =0,35			
	2 (7,1%)	1 (3,3%)	4 (8,5%)	2 (3,8%)
	-value <sub>1</sub> =0,45; -value <sub>2</sub> =0,78; -value <sub>3</sub> =0,65; -value <sub>4</sub> =0,83			
	5 (17,9%)	3 (10,0%)	5 (10,6%)	3 (5,7%)
	-value <sub>1</sub> =0,26; -value <sub>2</sub> =0,12; -value <sub>3</sub> =0,23; -value <sub>4</sub> =0,09			
	4(14,3%)	3 (10,0%)	7 (14,9%)	8 (15,4%)
	-value <sub>1</sub> =0,56; -value <sub>2</sub> =0,23; -value <sub>3</sub> =0,12; -value <sub>4</sub> =0,58			

8				
1	2	3	4	5
	2(7,1%)	3 (10,0%)	2 (4,3%)	1 (1,9%)
	-value <sub>1</sub> =0,29; -value <sub>2</sub> =0,45; -value <sub>3</sub> =0,08; -value <sub>4</sub> =0,06			
	1 (3,6%)	2 (6,6%)	3(6,4%)	2 (3,8%)
	-value <sub>1</sub> =0,25; -value <sub>2</sub> =0,45; -value <sub>3</sub> =0,54; -value <sub>4</sub> =0,16			
	2 (7,1%)	3 (10,0%)	1 (2,2%)	–
	-value <sub>1</sub> =0,48; -value <sub>2</sub> =0,05*; -value <sub>3</sub> =0,02*; -value <sub>4</sub> =0,003**			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3-

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,

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(

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9 –

	1	1	2-
			( )
1 , ( . . , %)	16 (57,1%)	18 (60,0%)	36 (76,6%)
2 , ( . . , %)	3 (10,7%)	4 (13,3%)	11 (23,4%)
'	12,5 (11,0; 12,5)	12,0 (11,5; 13,0)	12,2(11,6; 13,0)

, &gt; 0,05

III

1

30,5(30,0; 32,0)

1

31,0(30,2; 32,0)

1- 2-

( 10).

1.

2.

.

3.

4.



10 –

1 ,  
 ,  
 23 (82,1%). 20 (71,4%)  
 .  
 17 (60,7%) 1 .  
 -  
 -  
 -  
 1 ,  
 16 (57,1%) .  
 1  
 ,  
 - 27 30 (90,0%). 1 ,  
 1 , - 25  
 30 (83,3%).

19

30 (63,3%)

-

1 ,

- 14

30,

46,7%.

1-

-

10.

10 -

1

	1	
	1 (n=28)	1 (n=30)
, ( . . , %)	30,5 (30,0; 32,0)	31,0 (30,2; 32,0)
	=0,56	
- , ( . . , %)	23 (82,1%)	27 (90,0%)
	=0,36	
- , ( . . , %)	16 (57,1%)	14 (46,7%)
	=0,27	
, ( . . , %)	20 (71,4%)	25 (83,3%)
	=0,18	
, ( . . , %)	17 (60,7%)	19 (63,3%)
	=0,49	

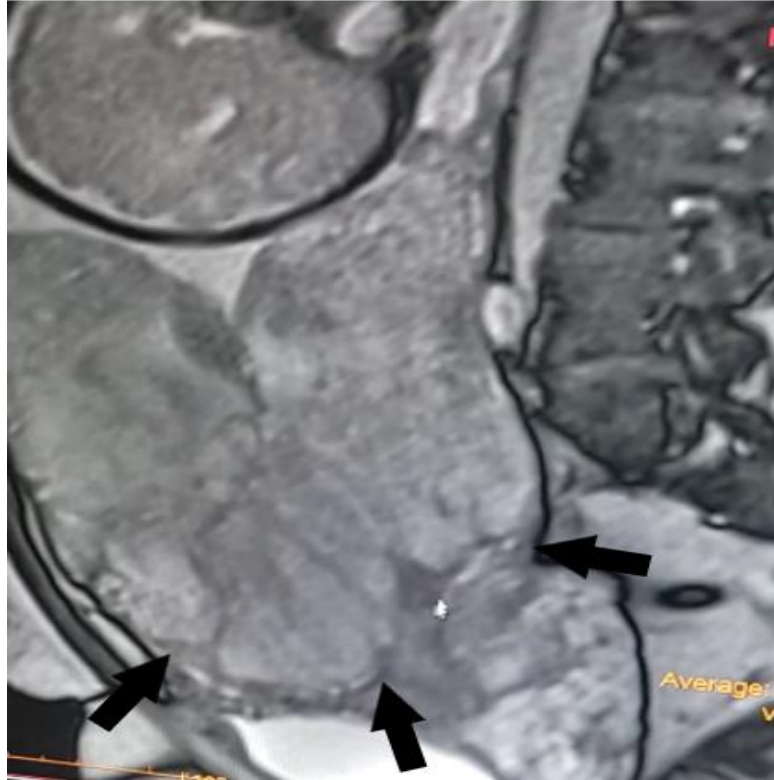
\* - &lt;0,05, \*\* - &lt;0,01, \*\*\* - &lt;0,001.

,

1 1

.





11 -

( )

:

1.

( 11).

2. « »

« »).

3.

( 12).

4.

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-

-

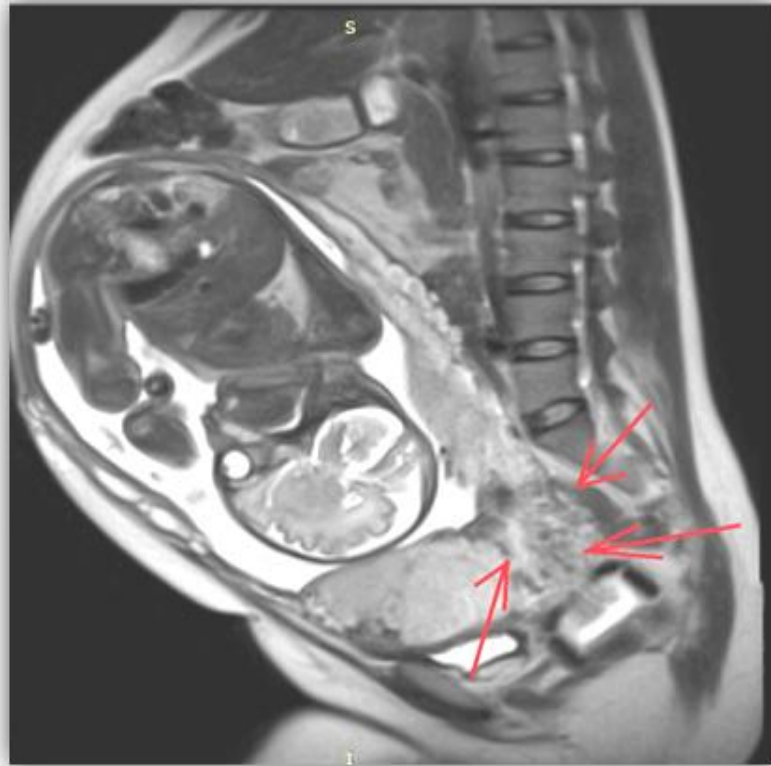
-

-

.

1 32,0 (31,0; 33,5) -

1 32,5 (31,0; 33,2) , -



12 -

: 22 1 24 1 , -

78,5 80,0% .

, 20 1 (71,4%) 22 1 -

(73,3%).

1 18 (60,0%) 1 ( 14 (50,0%) -

« » - ,

1 4 (3,3%). 1 (14,3%), 1 -

11.

11 –

1

	1-	
	1 (n=28)	1 (n=30)
, -	32,0 (31,0; 33,5)	32,5 (31,0; 33,2)
	=0,42	
	20 (71,4%)	22 (73,3%)
, ( ..	=0,49	
(%)		
« »	4 (14,3%)	1 (3,3%)
-	=0,19	
( « »),		
( .. (%))		
-	22 (78,5%)	24 (80,0%)
-	=0,25	
, ( ..		
(%)		
-	14 (50,0%)	18 (60,0%)
, ( ..	=0,12	
(%)		

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001.



	1-	
	1 (n=28)	1 (n=30)
Placenta accreta, ( . ., %)	14 (50,0%)	13 (43,3%)
	=0,33	
Placenta increta, ( . ., %)	9 (32,1%)	14 (46,7%)
	=0,29	
Placenta percreta, ( . ., %)	5 (17,9%)	3 (10,0%)
	=0,08	

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001.

### III

6,8 (5,2; 7,9) 10*9/ 1	6,2 (5,4; 7,6) 10*9/ 1	-
	1	
4,0 (3,6; 4,2) 10*12/ 1	3,9 (3,4; 4,1) 10*12/ 1	.
1	- 192,0 (166,0; 285,0)	
10*9/ 182,0 (178,0; 277,0) 10*9/ 1	,	-
	102,0 (98,0; 112,0) / 106,0 (92,0; 110,0) /	-
		-

13 –

							p-value ( )
	1 (n=28)			1 (n=30)			
		Q25	Q75		Q25	Q75	
, 10* <sup>12</sup> /	4,0	3,6	4,2	3,9	3,4	4,1	0,28
, 10* <sup>9</sup> /	6,8	5,2	7,9	6,2	5,4	7,6	0,14
, 10* <sup>9</sup> /	192,0	166,0	285,0	182,0	178,0	277,0	0,58

1 1

p&gt;0,05.

14 –

## III

		1			1			- value (1 1 )
			Q25	Q75		Q25	Q75	
-	CD3+,%	72,78	70,0	78,2	72,12	69,30	77,45	0,32
-	CD3+, . .	1,32	0,83	1,46	1,20	0,77	1,41	0,61
- /	CD3+ D4+, %	39,41	34,41	42,90	37,8	33,21	41,36	0,21
-	CD3+ D4+, . .	0,73	0,48	0,95	0,68	0,40	0,92	0,25
-	D8+ D38+, %	33,87	29,4	35,3	32,81	29,8	35,12	0,37
( )	D8+ D38+ , . .	0,59	0,45	0,65	0,52	0,46	0,62	0,33
	CD4+/CD8+	1,22	1,04	1,38	1,19	0,99	1,35	0,84

		1			1			- value (1 1 )
			Q25	Q75		Q25	Q75	
(NK)	CD3- CD16+CD56 +, %	16,31	14,0	20,6	16,65	13,4	20,8	0,25
	CD3- CD16+CD56 +, . .	0,29	0,17	0,38	0,28	0,16	0,39	0,47
NK-	CD3-CD8+, %	12,77	6,1	20,6	14,2	8,2	19,8	0,29
	CD3-CD8+, . .	0,24	0,12	0,37	0,22	0,14	0,40	0,15
T-	CD3+CD16+ CD56+,%	13,91	11,3	14,4	13,5	11,2	14,2	0,65
	CD3+CD16+ CD56+, . .	0,26	0,17	0,33	0,22	0,15	0,33	0,28

1 1 .

III

7,0 (5,4; 8,2) 10\*<sup>9</sup>/(2- ) 6,6 (5,2; 7,8) 10\*<sup>9</sup>/

4,1 (3,5; 4,2)  $10^{*12}/$  3,9 (3,6; 4,3)  $10^{*12}/$  3-

2-  
 - 180,0 (154,0; 251,0)  $10^{*9}/$  192,0 (155,0; 256,0)  
 $10^{*9}/$  , 2- 3-  
 101,0 (96,0;  
 110,0) / 109,0 (100,0; 115,0) / .

15.

15 -

	2- (n=47),			3- (n=52)			p-value (2 3 .)	p-value (1 . 2 .)	p-value (1 . 3 .)
		Q25	Q75		Q25	Q75			
, $10^{*12}/$	4,1	3,5	4,2	3,9	3,6	4,3	0,47	0,18	0,25
$10^{*9}/$	7,0	5,4	8,2	6,6	5,2	7,8	0,35	0,68	0,39
, $10^{*9}/$	180,0	154,0	251,0	192,0	155,0	256,0	0,24	0,44	0,33

(1- ).



1	2	2- ( , ), n=47			3- – , n=52			-value
		3	4	5	6	7	8	
		Q25	Q75	Q25	Q75	Q25	Q75	
	CD3+,%	70,7	68,2	76,2	71,2	67,4	75,8	-value <sub>1</sub> =0,25; -value <sub>2</sub> =0,51; -value <sub>3</sub> =0,16
	CD3+, ..	1,4	1,1	1,63	1,35	1,08	1,54	-value <sub>1</sub> =0,44; -value <sub>2</sub> =0,23; -value <sub>3</sub> =0,61
	CD3+ D 4+,%	39,0	37,9	42,5	38,9	37,52	42,82	-value <sub>1</sub> =0,65; -value <sub>2</sub> =0,15; -value <sub>3</sub> =0,33
/	CD3+ D 4+, ..	0,80	0,63	0,92	0,78	0,62	0,99	-value <sub>1</sub> =0,12; -value <sub>2</sub> =0,35; -value <sub>3</sub> =0,48
	D8+ D 38+, %	31,7	30,5	33,3	31,3	30,2	34,0	-value <sub>1</sub> =0,33; -value <sub>2</sub> =0,58; -value <sub>3</sub> =0,48
( )	D8+ D 38+, ..	0,64	0,44	0,81	0,62	0,46	0,82	-value <sub>1</sub> =0,25; -value <sub>2</sub> =0,22; -value <sub>3</sub> =0,58
	CD4+/CD 8+	1,27	1,05	1,47	1,22	0,99	1,40	-value <sub>1</sub> =0,85; -value <sub>2</sub> =0,28; -value <sub>3</sub> =0,68

								16
1	2	3	4	5	6	7	8	9
(NK)	- CD3- CD16+C D56+, %	16,0	10,4	19,5	16,2	10,28	20,12	-value <sub>1</sub> =0,42; -value <sub>2</sub> =0,38; -value <sub>3</sub> =0,87
	CD3- CD16+C D56+, . .	0,31	0,18	0,4	0,28	0,16	0,39	-value <sub>1</sub> =0,18; -value <sub>2</sub> =0,21; -value <sub>3</sub> =0,28
NK-	- CD3- CD8+, %	7,1	4,2	15,8	9,2	6,2	15,8	-value <sub>1</sub> =0,48; -value <sub>2</sub> =0,045*; -value <sub>3</sub> =0,037*
	CD3- CD8+, . .	0,12	0,03	0,32	0,16	0,08	0,28	-value <sub>1</sub> =0,62; -value <sub>2</sub> =0,058; -value <sub>3</sub> =0,069
T-	- CD3+CD 16+CD56 +, %	14,5	5,9	22,8	14,8	5,4	22,1	-value <sub>1</sub> =0,22; -value <sub>2</sub> =0,61; -value <sub>3</sub> =0,32
	CD3+CD 16+CD56 +, . .	0,27	0,12	0,4	0,22	0,15	0,38	-value <sub>1</sub> =0,19; -value <sub>2</sub> =0,27; -value <sub>3</sub> =0,39

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

2- 3- ; -value<sub>2</sub> –

1- 2- ; -value<sub>3</sub> –

1- 3- .

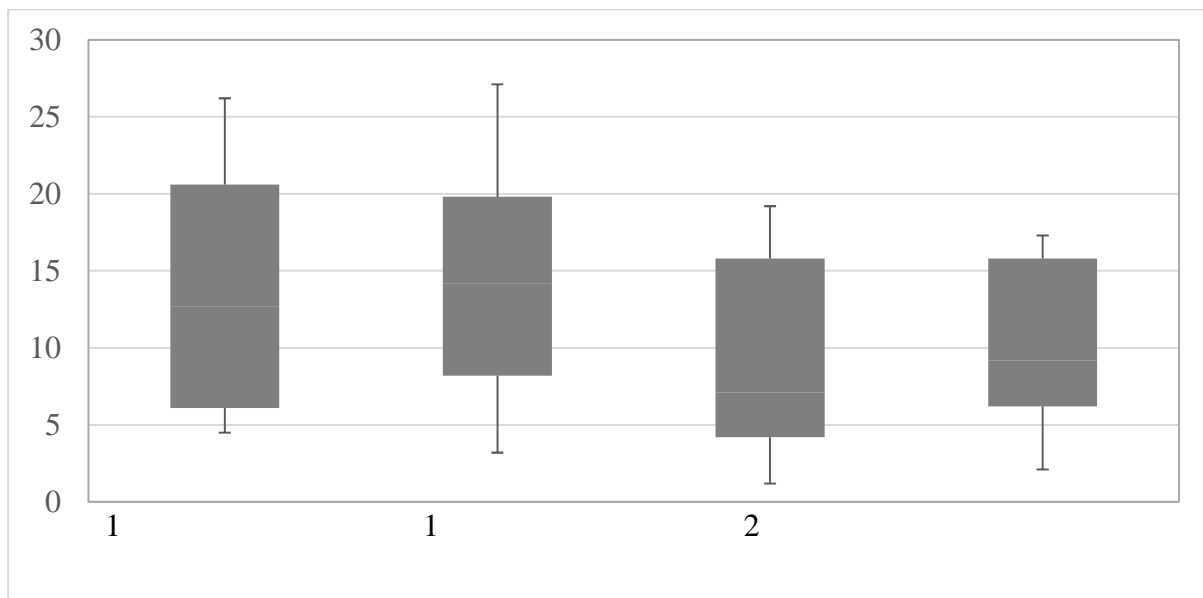
(2-

)

(

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III  
 NK- (CD3-CD8+, %),  
 ( 13).



13 –

NK-

CD3-CD8+

III

, %

NK- (CD3-CD8+, %),

III

( $r_s=0,312$ ,  $p=0,042$ ).

(placenta increta, placenta percreta)

NK- CD3-CD8+,%

19,7 (13,8; 26,3),

placenta accreta,

(p-value=0,018) – 10,2 (7,4; 13,8),

2- 3- (p-value

2- – 0,044,

- 0,028).

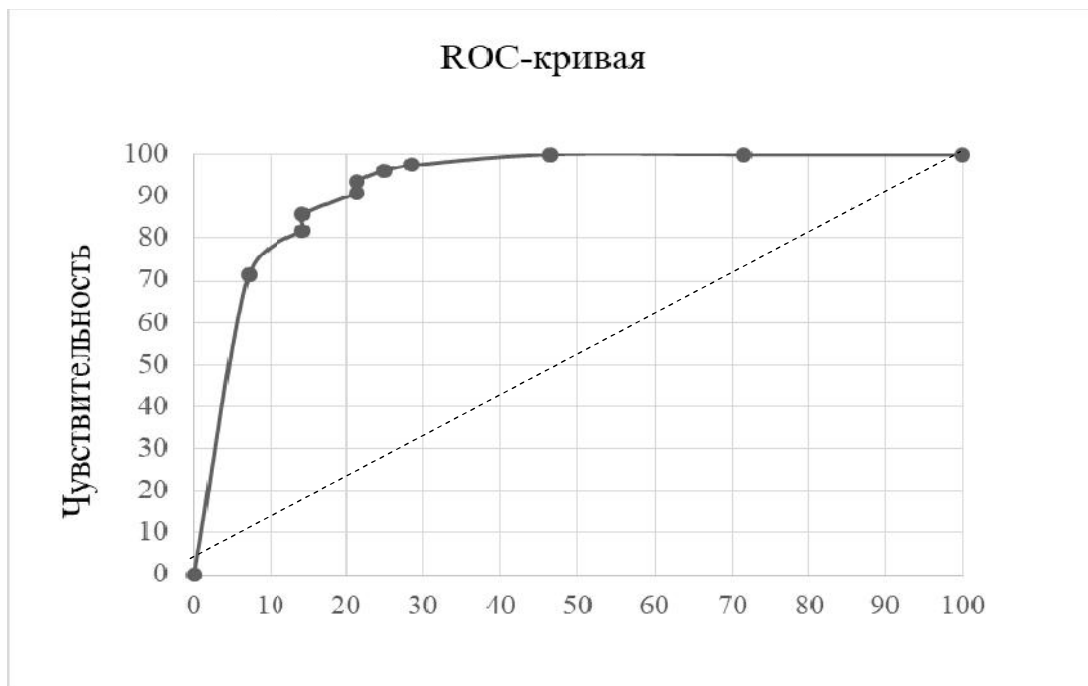
NK- CD3-CD8+,% 15,0%  
(p=0,009).

ROC- (

14).

(placenta increta, placenta percreta),

NK- CD3-CD8+,%.



14 – ROC –

NK- CD3-CD8+,%

(1):

$$Z=1-0,0089(-0,244310230277*NK-CD3-CD8+,%-3,84704771805) \quad (1)$$

ROC- 0,923,

, AUC=0,923±0,04, <0,0001.

85,7%, - 82,2%.

17 –

ROC-

NK- CD3-CD8+,%

Sp, %	Se, %	cutoff
71,43	7,14	0,1
81,82	14,29	0,2
85,71	14,29	0,3
90,91	21,43	0,4
93,5	21,43	0,5
96,1	25,02	0,6
97,4	28,57	0,7
100,0	46,43	0,8
100,0	71,43	0,9

: Sp –

, Se –

, cutoff –

NK- CD3-CD8+, %

(placenta increta, placenta percreta).

5

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**5.1**

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36 39

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-

264,0 (248; 280)

.

-

82,3%.

1

259,0 (252,0; 271,0)

,

1 – 265,0 (255,0;

274,0)

273,0 (267,0; 278,0)

,

-

-

( )

274,0 (273,0; 280,0)

.

-

18 –

	1- (n=58)		2- (n=47)	3- (n=52)
	1 (n=28)	1 (n=30)		
	259,0 (252,0; 271,0)	265,0 (255,0; 274,0)	273,0 (267,0; 278,0)	274,0 (273,0; 280,0)
	-value <sub>1</sub> =0,66; -value <sub>2</sub> =0,58; -value <sub>3</sub> =0,33; -value <sub>4</sub> =0,19			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3- .

1- ( –

)

100,0% –

2- –

3- –

:

– 8 (15,4%),

– 10 (19,2%),

– 6 (11,5%),

(2 ) – 23 (44,2%),

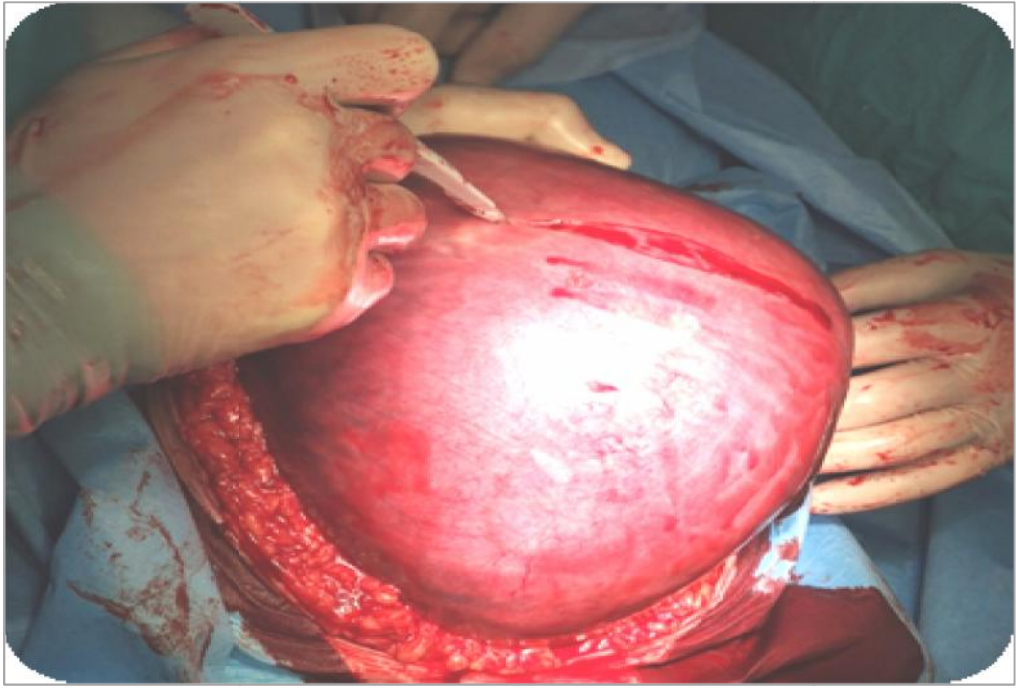
– 5 (9,6%).

1

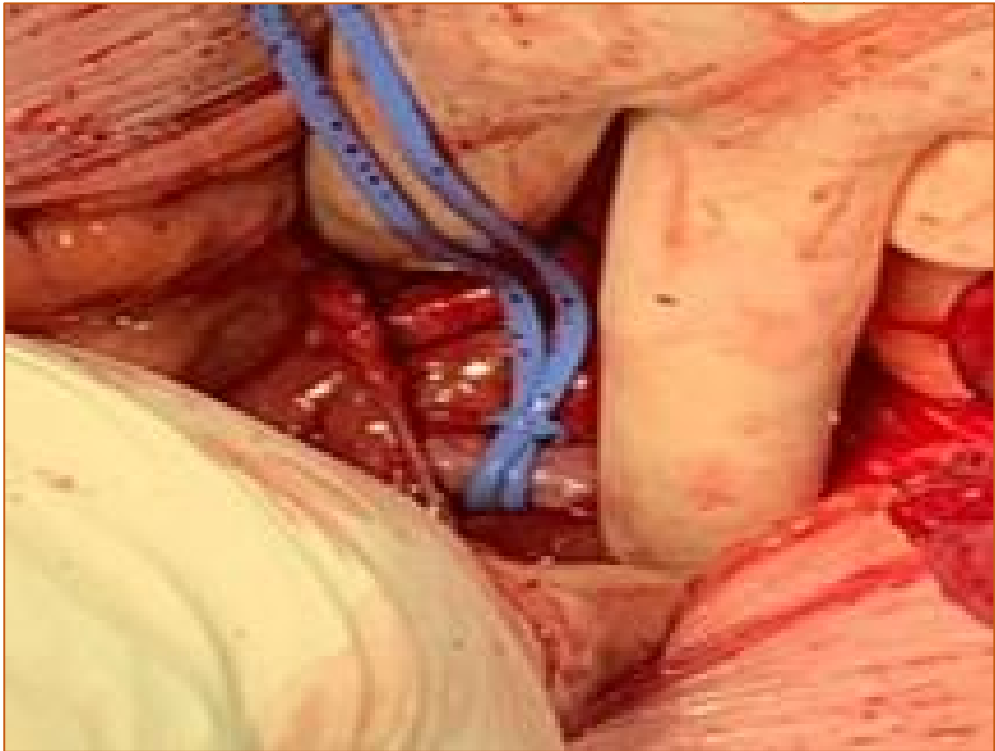
## 5.2

,  
 ,  
 ( 1- ( )). -  
 ( 15) -  
 1 . -  
 -  
 1 1 , -  
 -  
 ( 1 ), -  
 1 -  
 -  
 ( 16) 20  
 , 1 -  
 20 5 .  
 1 -  
 :  
 , , -  
 - . 1  
 .  
 13 (46,4%)  
 1 16 1 (53,3%),  
 ( =0,12).

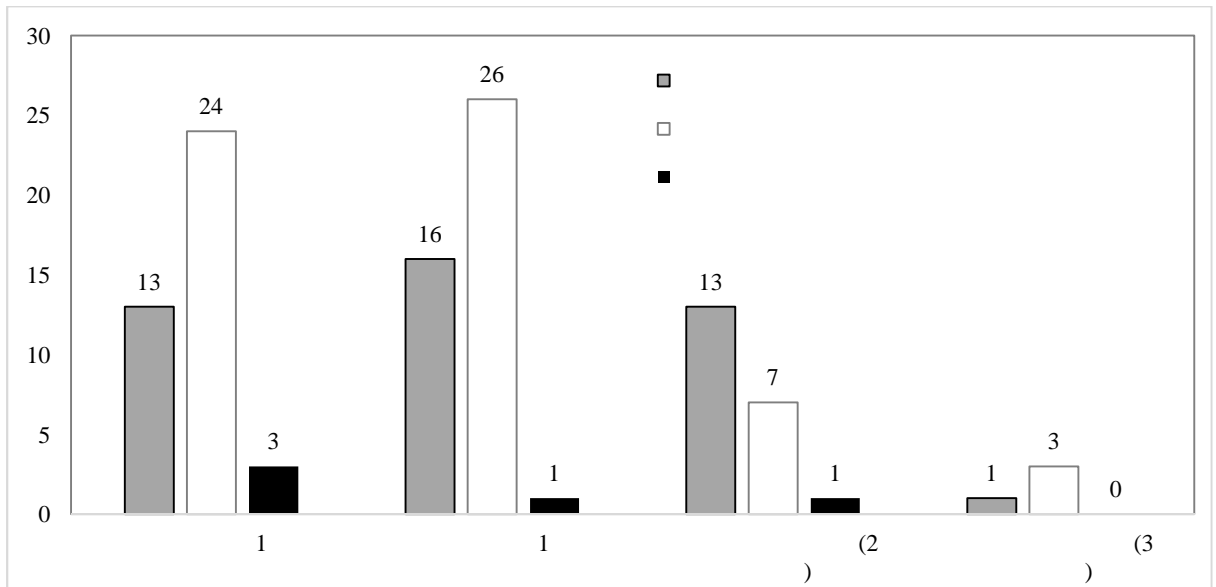




15 -



16 -



17 -

24 (85,7%) 1 26  
 (86,6%) 1 (=0,45),  
 17.  
 4  
 I (2 1 (7,1%) 2  
 1 (6,7%)).  
 . 1 ,  
 ,  
 , 1 ,  
 1 72,0 (60,0; 86,0) , 1 - 92,0 (82,0;  
 106,0) (=0,001). ,  
 1

-

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1 1

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1

1450,0 (850,0; 2200,0) , 1 -

1580,0 (1260,0; 2450,0) , p=0,046. 1 -

.

450,0 (300,0; 720,0) , 1

580,0 ( 450,0; 890,0) , =0,012.

.

1

620,0 (420,0; 780,0)

850,0 (600,0; 950,0)

,

19.

,

,

1 1

,

,

-

( 20).

19 –

1-

							p-value ( )
	1 (n=28)			1 (n=30)			
		Q25	Q75		Q25	Q75	
,	72,0	60,0	86,0	92,0	82,0	106,0	0,001**
-	1450,0	850,0	2320,0	1580,0	920,0	2450,0	0,046*
(Cell-Saver)	450,0	300,0	720,0	580,0	450,0	890,0	0,012*
,	620,0	420,0	780,0	850,0	600,0	950,0	<0,001***

\* – <0,05; \*\* – <0,01; \*\*\*- <0,001.

2-  
( ). 21  
(44,7%) 2-  
35 (67,3%) -  
(3- - ).  
15 2-  
31,9%.  
6 3- -  
11,5%.  
(2- - 9 (19,1%), 3- - 11 -  
(21,2%)).

(2-

)

-

100,0%

17.

42,0 (35,0; 62,0)

,

2-

,

38,0

(32,0; 47,0)

.

( =0,33).

2-

620,0 (430,0; 750,0) ,

- 480,0 (400,0; 570,0)

( =0,003)

2-

3-

15

2-

(31,9%)

300,0 (180,0; 420,0) .

,

-

,

( 20).

20 -

,

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	2- – (n=47)	3- – (n=52)
	45,0 (35,0; 62,0)	38,0 (32,0; 47,0)
	=0,33	
-	21 (44,7%)	35 (67,3%)
, . . (%)	=0,01**	
-	15 (31,9%)	6 (10,5%)
, . . (%)	=0,025*	
	9 (19,1%)	11 (21,2%)
(%)	=0,56	

\* – <0,05; \*\* – <0,01; \*\*\* – <0,001.

21 –

2- 3-

	2- – (n=47)	3- – (n=52)
	45,0 (35,0; 62,0)	38,0 (32,0; 47,0)
	=0,33	
-	15 (31,9%)	–
, . . (%)	p<0,001***	
	300,0 (180,0; 420,0)	–
	p<0,0001***	
	13 (27,7%)	1 (1,9%)
, . . (%)	<0,001***	
	7 (14,9%)	3 (5,8%)
, . . (%)	=0,12	

\* – <0,05; \*\* – <0,01; \*\*\* – <0,001.



	1- – (n=58)		2- – - (n=47)	3- – (n=52)
	1 - (n=28)	1 (n=30)		
- ,	2750,0 (2510,0; 2930,0)	2700,0 (2560,0; 2850,0)	3000,0 (2800,0; 3350,0)	3200,0 (2950,0; 3300,0)
	-value <sub>1</sub> =0,66; -value <sub>2</sub> =0,54; -value <sub>3</sub> =0,16; -value <sub>4</sub> =0,11			
5 , . .(%)	22 (78,5%)	20 (66,7%)	41 (87,2%)	43 (82,7%)
	-value <sub>1</sub> =0,44; -value <sub>2</sub> =0,78; -value <sub>3</sub> =0,09; -value <sub>4</sub> =0,06			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3-



5.4

1 ), 2- 3

1- (3 1 11 5

23.

2

2 1 ,

23.

1 (

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1 (

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2 ,

2

1 2- ( ),

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	1- – (n=58)					3- – (n=52)
	1 – (n=28), . ., %	1 – (n=30), . ., %	2- – (n=47), . ., %		1 (n=28), . ., %	
, . . (%)	3 (11,1%)	11 (36,7%)	5 (10,6%)		3 (5,7%)	
	-value <sub>1</sub> =0,002**; -value <sub>2</sub> =0,044*; -value <sub>3</sub> =0,012*; -value <sub>4</sub> =0,001**					
, . . (%)	–	2 (6,7%)	–		–	
	-value <sub>1</sub> =0,006*					

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3- .

### 5.5

6-

6-

( 24).

1 ,

1

12,1 (11,9; 12,4) ,

1

11,8 (11,5; 11,9) ( =0,042).

1

6-

( 1 ),

6-

10,1 (9,8; 10,3)

1

11,8 (11,5; 11,9)

1

( =0,035),

6,1 (6,0; 6,3)

1

6,3 (6,1; 6,5)

1

1

0,8 (0,7; 1,0)

1

0,6 (0,5; 0,9)

3-

(

)

2-

( ).

24 –

6-

	1- – (n=58)		2- – – (n=47)	3- – (n=52)
	1 (n=28)	1 (n=30)		1 (n=28)
,	11,8 (11,5; 11,9)	12,1 (11,9; 12,4)	11,7 (11,5;12,0)	11,6 (11,4; 11,8)
	-value <sub>1</sub> =0,042**; -value <sub>2</sub> =0,033*; -value <sub>3</sub> =0,038*; -value <sub>4</sub> =0,020*; -value <sub>5</sub> =0,28			
,	9,7 (9,6; 9,9)	10,1 (9,8; 10,3)	9,7 (9,5; 10,0)	9,6 (9,4; 9,9)
	-value <sub>1</sub> =0,035*; -value <sub>2</sub> =0,12; -value <sub>3</sub> =0,028*; -value <sub>4</sub> =0,017*; -value <sub>5</sub> =0,81			
-	6,1 (6,0; 6,3)	6,3 (6,1; 6,5)	6,1 (6,0; 6,4)	6,0 (5,9; 6,0)
,	-value <sub>1</sub> =0,039*; -value <sub>2</sub> =0,044*; -value <sub>3</sub> =0,12; -value <sub>4</sub> =0,018*; -value <sub>5</sub> =0,64			
,	0,6 (0,5; 0,9)	0,8 (0,7; 1,0)	0,6 (0,4;0,8)	0,5 (0,3; 0,8)
	-value <sub>1</sub> =0,003**; -value <sub>2</sub> =0,28; -value <sub>3</sub> =0,041*; -value <sub>4</sub> =0,001**; -value <sub>5</sub> =0,49			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3- ; -value<sub>5</sub> –

1

2-

6- -  
 2- 11,7  
 (11,5; 12,0) , 3- - 11,6 (11,4; 11,8) ; - 9,7  
 (9,5; 10,0) 2- , 9,7 (9,5; 10,0) -  
 ( >0,05). 6

: 6,1 (6,0; 6,4) 2- -  
 , 6,0 (5,9; 6,0) -

·  
 0,6 (0,4; 0,8) 2- -  
 0,5 (0,3; 0,8) ·

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 , 6 -

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 1 ( ) 2-  
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25.

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 (2- ) ( 25). , -

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18 -

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25 -

12

-	1- - (n=58)		2- - - (n=47)	3- - (n=52)
-	1 - (n=28)	1 (n=30)		
-				
-				
-				
1	2	3	4	5
	54,0 (48,0;62,0)	51,0 (42,0; 60,0)	60,0 (55,0; 60,0)	61,0 (56,0; 62,0)
,				
	-value <sub>1</sub> =0,022*; -value <sub>2</sub> =0,18; -value <sub>3</sub> <0,001***; -value <sub>4</sub> <0,001***			
	38,0 (29,0; 47,0)	30,0 (24,0; 44,0)	48,0 (42,0; 54,0)	50,0 (41,0; 55,0)
,				

25				
1	2	3	4	5
	-value <sub>1</sub> =0,004**; -value <sub>2</sub> =0,29; -value <sub>3</sub> <0,001***; -value <sub>4</sub> <0,001***			
- - (IR)	0,68 (0,42;0,84)	0,70 (0,46; 0,82)	0,72 (0,44; 0,85)	0,71 (0,40; 0,86)
	-value <sub>1</sub> =0,27; -value <sub>2</sub> =0,65; -value <sub>3</sub> =0,51; -value <sub>4</sub> =0,67			
- - (IR)	0,68 (0,40; 0,85)	0,62 (0,44;0,8)	0,65(0,45; 0,82)	0,67 (0,49; 0,76)
	-value <sub>1</sub> =0,78; -value <sub>2</sub> =0,56; -value <sub>3</sub> =0,21; -value <sub>4</sub> =0,33			
(IR)	0,58 (0,53; 0,70)	0,55 (0,42;0,72)	0,55 (0,54; 0,75)	0,5 (0,52; 0,78)
	-value <sub>1</sub> =0,81; -value <sub>2</sub> =0,15; -value <sub>3</sub> =0,32; -value <sub>4</sub> =0,16			
(IR)	0,35 (0,24; 0,58)	0,33 (0,24; 0,50)	0,32 (0,20; 0,52)	0,36 (0,20; 0,54)
	-value <sub>1</sub> =0,62; -value <sub>2</sub> =0,65; -value <sub>3</sub> =0,45; -value <sub>4</sub> =0,38			
- - (IR)	0,49 (0,30; 0,60)	0,45 (0,36;0,58)	0,42 (0,32;0,55)	0,44 (0,30; 0,50)
	-value <sub>1</sub> =0,15; -value <sub>2</sub> =0,45; -value <sub>3</sub> =0,32; -value <sub>4</sub> =0,57			
- - (IR)	0,26 (0,20;0,45)	0,27 (0,21;0,43)	0,28 (0,22;0,40)	0,25 (0,24;0,44)
	-value <sub>1</sub> =0,46; -value <sub>2</sub> =0,21; -value <sub>3</sub> =0,68; -value <sub>4</sub> =0,75			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3- .

12 .  
,  
.

1 : 54  
(48; 62) , 38 (29; 47) , 1  
51 (42; 60) 30 (24; 44) .

( = 0,004 = 0,022

).

1 ) , ( -

1 ), ( -

12 -

(2-

) ( ) .

, , 2- 60,0  
(55,0; 60,0) 48,0 (42,0; 54,0) , -

48,0(42,0; 54) 50,0(41,0; 55,0) .

3

( 1),

26. 1 17 , -

1 - 19 , 2- - 39 ,

- 35 .

1

1 ,



( 26).

1

1

( =0,030),

4 (3; 5)

1

( <0,001),

5(3;7)

2-

5(4;7)

(1 )

3 (3; 4)

( = 0,002).

1 (

)

4 (3; 4)

1 ( = 0,044),

3 (2; 4)

( = 0,016).

3

28 (26; 30)

1 ( = 0,652)

28 (26; 29)

1 ( = 0,612).

:

5 (3;7)

2-

5 (4; 7)

- 28(27; 30)

2-

28 (26;

30)

- 4

(3; 6)

2-

5 (3; 6)

(p>0,1).

	1- – (n=58)		2- – (n=47)	3- – (n=52)
	1 (n=28)	1 (n=30)		
1	2	3	4	5
( )	5,0 (3,0; 7,0)	5,0 (4,0; 7,0)	6,0 (4,0; 7,0)	5,0 (4,0; 6,0)
	-value <sub>1</sub> =0,28; -value <sub>2</sub> =0,33; -value <sub>3</sub> =0,41; -value <sub>4</sub> =0,39			
—value -	0,06**	0,002**	0,12	0,18
( )	4,0 (3,0; 5,0)	3,0 (3,0; 4,0)	5,0 (3,0; 7,0)	5,0 (4,0; 7,0)
	-value <sub>1</sub> =0,030*; -value <sub>2</sub> =0,65; -value <sub>3</sub> <0,001***; -value <sub>4</sub> <0,001***			
( )	5,0 (3,0; 5,0)	5,0 (4,0; 5,0)	4,0 (3,0; 5,0)	5,0 (3,0; 5,0)
	-value <sub>1</sub> =0,28; -value <sub>2</sub> =0,44; -value <sub>3</sub> =0,25; -value <sub>4</sub> =0,29			

26				
1	2	3	4	5
-value -	0,032*	0,016*	0,15	0,28
( ) ,	4,0 (3,0; 4,0)	3,0 (2,0; 4,0)	4,0 (3,0; 6,0)	5,0 (3,0; 6,0)
	-value <sub>1</sub> =0,044*; -value <sub>2</sub> =0,32; -value <sub>3</sub> =0,009**; -value <sub>4</sub> =0,002**			
- ,	28,0 (26,0; 30,0)	27,0 (25,0; 30,0)	27,0 (25,0; 29,0)	28,0 (26,0; 30,0)
	-value <sub>1</sub> =0,36; -value <sub>2</sub> =0,25; -value <sub>3</sub> =0,54; -value <sub>4</sub> =0,82			
—value -	0,65	0,61	0,14	0,28
, ,	28,0 (26,0; 30,0)	28,0 (26,0; 29,0)	28,0 (27,0; 30,0)	28,0 (26,0; 30,0)
	-value <sub>1</sub> =0,84; -value <sub>2</sub> =0,35; -value <sub>3</sub> =0,54; -value <sub>4</sub> =0,76			

\* – <0,05, \*\* – <0,01, \*\*\* – <0,001, p-value<sub>1</sub> –

1 1 ; -value<sub>2</sub> –

2- 3- ; -value<sub>3</sub> –

1- 2- ; -value<sub>4</sub> –

1- 3- .







,  
 3,0 (2,0; 3,0), - 3,0 (2,0; 4,0).  
  
 ,  
 $r_s=0,514, =0,007.$   
 , 1 ( ) -  
 : 1 - 3,0  
 (2,0; 3,0) 1 , 1 - 3,0 (2,0; 3,0). ,  
 2,0 (2,0;  
 3,0), - 2,0 (2,0; 3,0).  
  
 ,  
 $r_s=0,422, =0,012.$   
  
 ,  
 1 1,0 (1,0; 3,0) , 1 - 2,0  
 (1,0; 3,0) .  
  
 ,  
 $r_s=-0,67, =0,002.$  2- ( -  
 ) 3,0 (3,0; 4,0) , -  
 (3) - 3,0 (3,0; 5,0) .  
  
 ,  
 $r_s=0,585, =0,006.$  -  
 1 3,0 (2,0; 3,0), 1 - 2,0 (2,0; 3,0).  
  
 1,0 (1,0; 2,0), (3 ) - 2,0  
 (1,0; 2,0).  
  
 .

- 21 (75,0%) 1 , -  
 7 , 25,0%.  
 (1 ) -  
 ( 20 (66,7%)), -  
 9 (30,0%). -  
 , -  
 $r_s=0,414, =0,042.$  2-  
 34,0% ( 16 ),  
 4 (8,5%). 3-  
 18  
 , 34,6%, 7 -  
 (13,5%). , ,  
 ,  
 $r_s=0,414, =0,042.$  -  
 ,  
 : 1  
 - 5 (17,8%), 1 (5 - 16,6%), 2- - 4 -  
 (8,5%), 3- - 3 (5,8%). , 1-  
 , , -  
 (r<sub>s</sub>=0,519, =0,004). -  
 , -  
 , , -  
 . -  
 , -  
 . -  
 -  
 -









	NK-	(CD3-CD8+, %),		-
III		( $r_s=0,312$ , $p=0,042$ ).		
				-
				-
		(placenta increta, placenta percreta)		-
	NK-	CD3-CD8+,%	19,7 (13,8; 26,3),	-
		placenta accreta,		
	(p-value=0,018)	- 10,2 (7,4; 13,8),		
	2- 3-	(p-value	2-	- 0,044,
	- 0,028).			-
NK-	CD3-CD8+,%	15,0%		-
	(p=0,009).			-
				-
		ROC-		-
			(placenta increta, placenta percreta),	
	-			
NK-	CD3-CD8+,%.	ROC-	0,923,	
		, AUC=0,923±0,04,	<0,0001.	-
	85,7%,	- 82,2%.		
	,			-
	NK-	CD3-CD8+,%		
				-
		(placenta increta, placenta percreta).		-
				-

	,			-
	,			
	36	39	,	-
	264,0	(248; 280)	.	-
	82,3%			
	1			
259,0	(252,0; 271,0)	,	1 - 265,0	(255,0; 274,0)
274,0)	.			-
	273,0	(267,0; 278,0)	,	-
(		)		
274,0	(273,0; 280,0)	.		-
	.	1	,	-
	,			,
,		1	,	.
	1	72,0	(60,0; 86,0)	,
1 - 92,0	(82,0; 106,0)	( =0,001).	,	
	1			-
				-
.				
.				-
			1	1
				-

. 1 -  
 1450,0 (850,0; 2200,0) , 1 -  
 1580,0 (1260,0; 2450,0) , p=0,046.

. 1 -  
 450,0 (300,0; 720,0) , 1  
 580,0 (450,0; 890,0) , =0,012.

. , 1  
 1 620,0 (420,0;  
 780,0) 850,0 (600,0; 950,0) .

, , -  
 1 1 .

, -  
 , -  
 , -

21 (44,7%)  
 2- ,  
 35 (67,3%) ,

(3- - ).  
 - 15 2- -  
 , 31,9%.

6 3- -  
 , 11,5%. -  
 -

(21,2%)). (2- - 9 (19,1%), 3- - 11

( =0,003)

2-

3-

-  
-  
-

15

2- (31,9%)

300,0 (180,0; 420,0)

-

(2-

-

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-

-

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-

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( ) .

3- ( ) 2-

6

2-

11,7 (11,5; 12,0) , 3- - 11,6 (11,4; 11,8) ; -

- 9,7 (9,5; 10,0) 2- , 9,7 (9,5; 10,0) -

( >0,05). 6-

: 6,1 (6,0; 6,4) 2- -

, 6,0 (5,9; 6,0) -

,

0,6 (0,4; 0,8) 2- -

0,5 (0,3; 0,8) .

.

,

6

1 ( ) 2- ( ) .

1- (2- ) .

.

54 (48; 62) , 38 (29; 47) , 1 -  
51 (42; 60) 30 (24; 44) . -  
( = 0,004 = 0,022  
). -  
( 1 ) , -  
( 1 ), -  
12 -  
(2- )  
( ). ,  
, 2- 60,0 (55,0; 60,0)  
48,0 (42,0; 54,0) , -  
48,0(42,0; 54) 50,0(41,0; 55,0) .  
1  
1 ,  
. 1 -  
, 1 ( = 0,030),  
4 (3; 5) , 1 ,  
( <0,001),  
5(3;7) 2- 5 (4;7) . -  
(1 ) -  
3 (3; 4) , , -  
( = 0,002). 1 ( -  
) -  
: , 4 (3; 4) , ,  
1 ( = 0,044),

3 (2; 4) , , -  
 ( = 0,016). 3 -

, -  
 , -  
 28 (26; 30) 1 ( = 0,652) 28 (26; 29) -  
 1 ( = 0,612).

:  
 5 (3;7) 2- 5  
 (4; 7) ,  
 - 28(27; 30) 2 28 (26; 30)  
 . -  
 - 4 (3;  
 6) 2- 5 (3; 6)  
 , (p>0,1).

, (2- ), -  
(3- ).

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1. - , -  
 ( =0,022), ( =0,01). -  
 ( =0,02). ,  
 (p<0,001).  
 (p=0,03),  
 .

2. ,  
 CD8+) 15,0% NK- (CD3-  
 ( 85,7%,  
 82,2%, <0,0001).

3. -  
 (p<0,001) (p<0,001).  
 (p=0,001), .

4. -  
 (p<0,002).  
 , -  
 1 ,  
 , .

5.

 $(p < 0,006)$ 

,

 $(p < 0,002),$ 

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,

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1. , -  
2  
2. 30-33 ,  
NK- (CD3-  
CD8+) 15%, placenta increta placenta percreta.  
3. , -  
, -  
, -  
4. , , ,  
:  
, -  
, -

–  
NK –

–  
d-NK –

FIGO –

PAS –

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$r_s$  –

-value –

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1. / . . [ .]. – 10– ., . . –  
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2. : / . . [ .]. – :  
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