



XXV



14.10.2015

(VEGF)

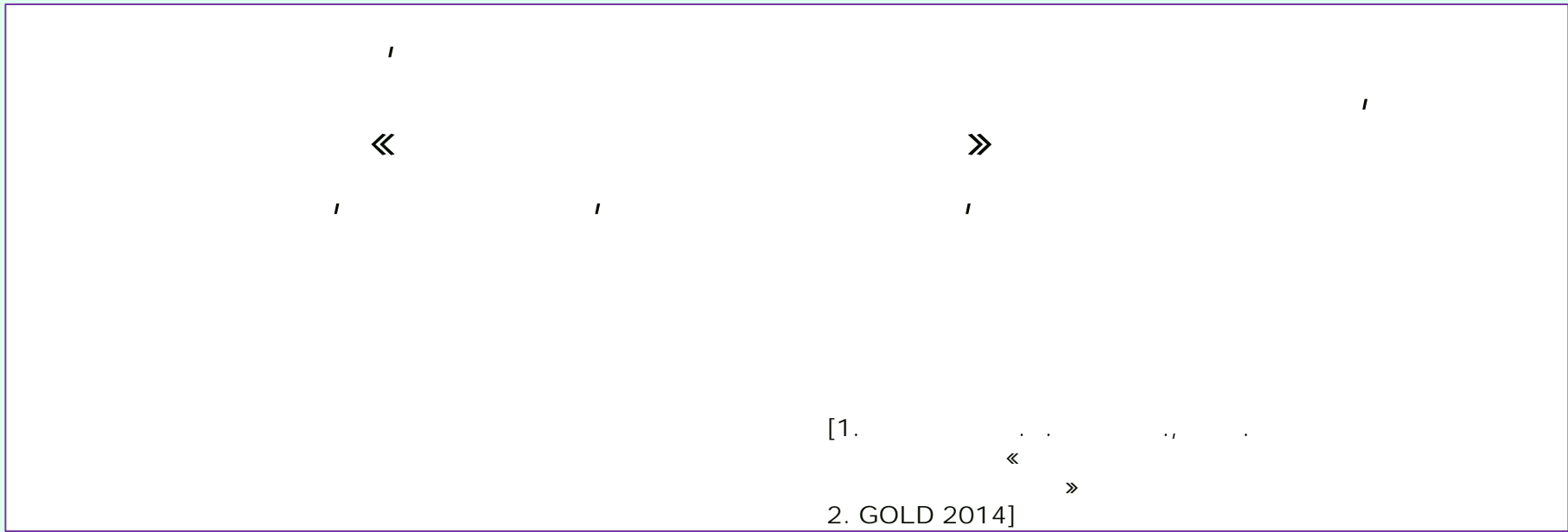
• • /

• • /

• • /

• • /

• •



[1. ...
 2. GOLD 2014]

-
-
-
-

10-15%

30%

[1. Bala S, Tabaku A. Cent Eur J Public Health 2010;18:93–98.
 2. Fishwick D. et al., Occupational Medicine 2015;65:270–282

31,1 %

[NHANES III, 2004]

20%

[Darby AC et al., Thorax. 2012 Oct;67(10):901-7]

—

—

/

●

●

●

●

●

...

[Paulin LM et al., Am J Respir Crit Care Med 2015; 191: 557–565;
Han MK et al. Am J Respir Crit Care Med 2010; 182: 598–604]

-
-
-
-
-

[1. . 2013. " 49. . 8-15 " . //

2. Caillaud D.; Lemoigne F. et al. //BMC Public Health. 2012. Vol. 12. P. 302

3. Brüske I., Thiering E., et al. // PLoS One. 2013. Vol. 8(11). e80977.

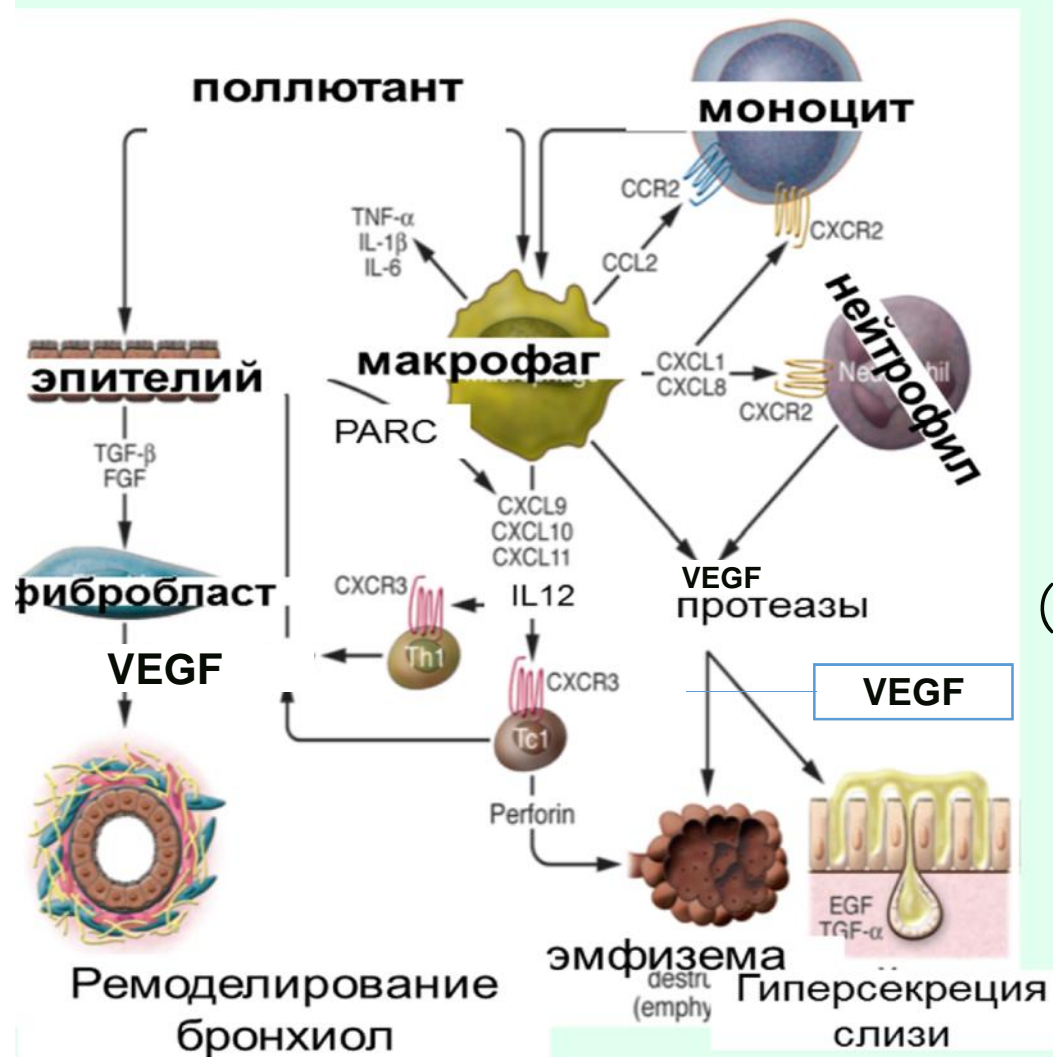
4. Martinez C.H., Han M.K. // Med Clin North Am. 2012 Jul. Vol. 96(4). P. 713-727

5. Paulin LM et al., Am J Respir Crit Care Med 2015; 191: 557-565]

●

●

VEGF



VEGF A

VEGF

– VEGF)

VEGF

[1. Olivieri D, Chetta A. Chem Immunol Allergy. 2014;99:216-25
 2. Lee SH. Et al., Clin Biochem. 2014 May;47(7-8):552-9
 3. Mizuno S et al., Am J Respir Cell Mol Biol. 2012 Nov;47(5):679-87
 4. Volpi et al., British Journal of Pharmacology (2011) 163 649–661
 5. Deshmane S.L. et al., J Interferon Cytokine Res. 2009 Jun; 29(6): 313–326:
 6. Barnes, P.J. Immunology of asthma and chronic obstructive pulmonary disease. 2008; Nat. Rev. Immunol.: 8:183–192.]

,

-

),

(

-

(VEGF)

,

286

(

GOLD 2011)

1

-

N=96

29 (30%)

2

N=70

(33%)

23

N=120

N=90

28
(31%)

:

-
-
-
-

,

;

-
-
-

VEGF

, ELISA (

-

)

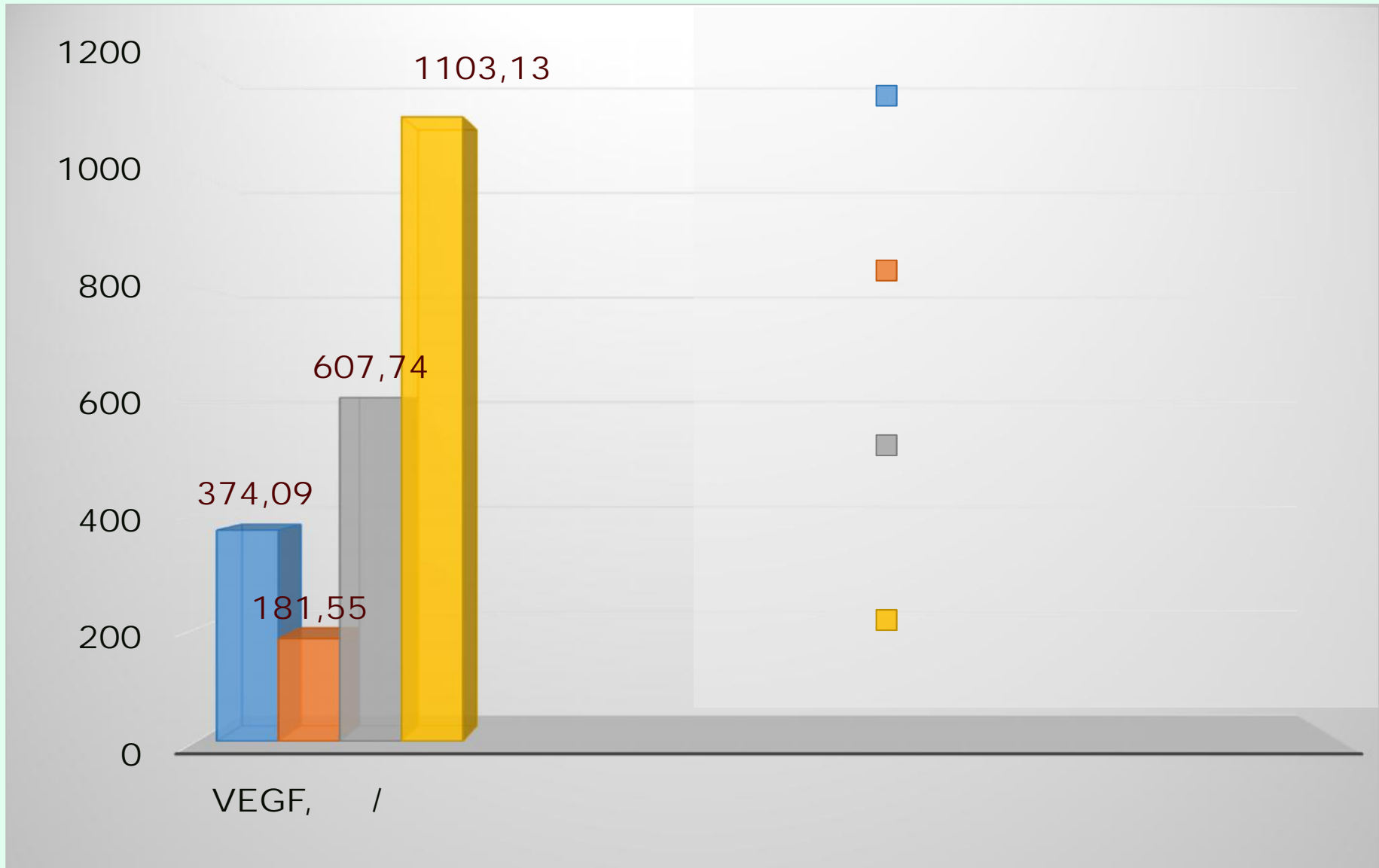


VEGF



,	63,6±1,66	65,1±1,3	64,2±0,65	59±0,67	0,6
, %	86	91	88	87	0,6
, %	14	9	12	13	
,	24,9±1,66	25,3±1,42	22,3±2,15	-	0,7
	-	-	-	-	-
	-	-	15 ± 2,6	14 ± 2,3	
	9.4 ± 0.05 /m3	15.6 ± 3.32 / 3			
,	15,7 ± 1,49	18,5±1,26	13,0 ± 0,87	-	0,7
1/ ,%	62,7±1,68	63,3±1,57	61,8±1,19	92±2,15	0,9
A-B, %	70	68	73	-	0,9
C-D, %	30	32	27		0,9

. VEGF



	0,5	0,004
	-0,4	0,04
	0,03	0,8
	-0,04	0,8
	-0,05	0,8

- $R=0,46$
- $R^2=0,21$
- $R^2,$
 $=0,01$

0,18,

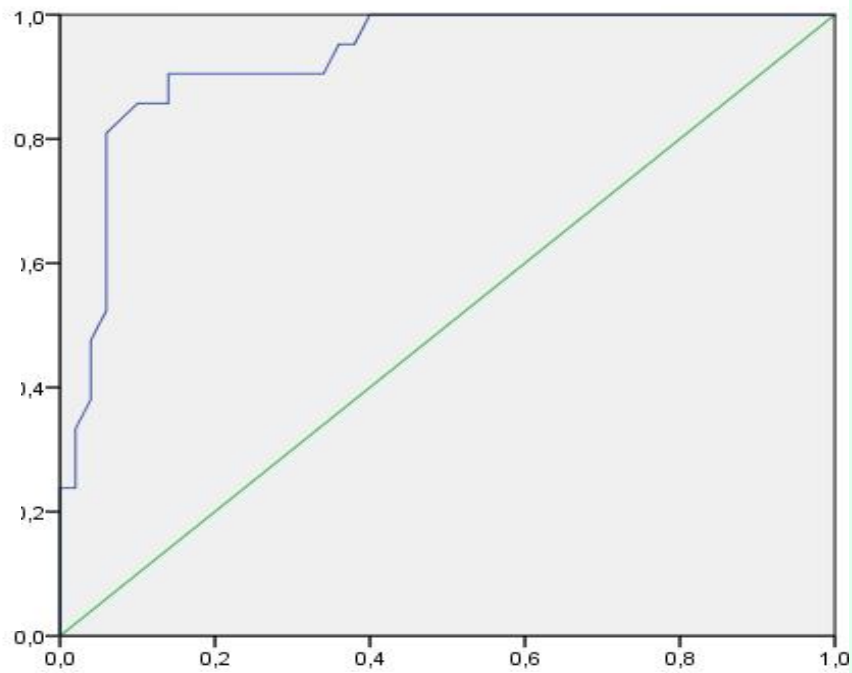
VEGF

($<176,2$ / $\dot{\quad}$) -

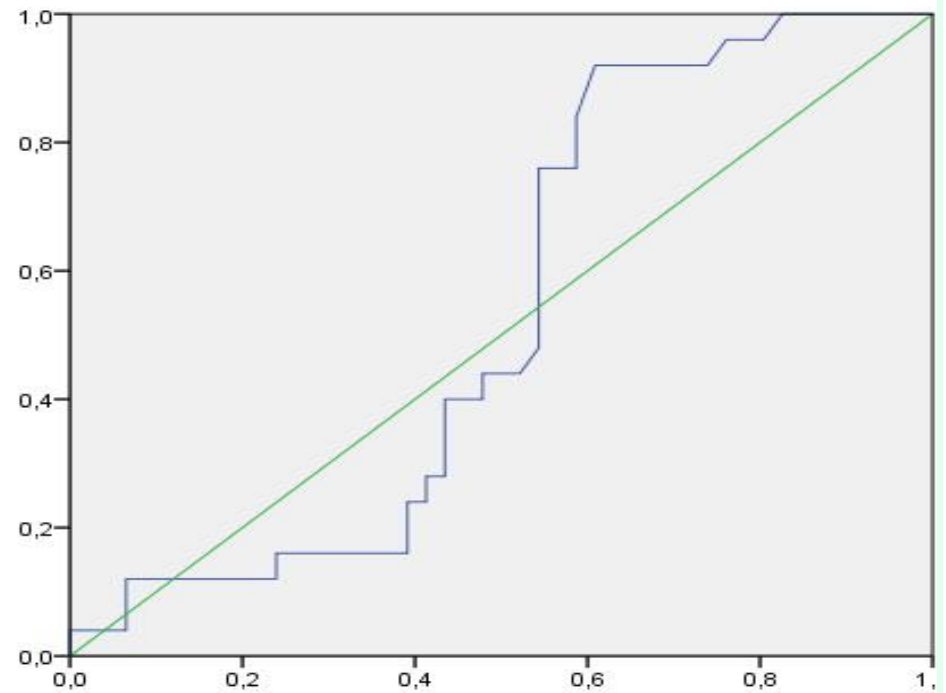
81%, 94%

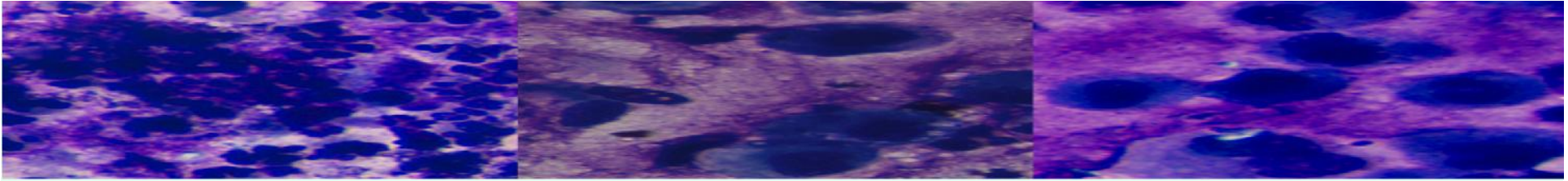
$<0,5$

ROC



ROC





VEGF

1

1

-

