

: 616.36-002-036.11-036.12-099-092.9

14.00.36 -

- 2012



: ,

: ,

,

:

« \_\_\_\_\_ » \_\_\_\_\_ 2012 . \_\_\_\_\_ .  
.015.89.01 -  
: 100060, . , . . , 74.

« \_\_\_\_\_ » \_\_\_\_\_ 2012 .

,

• •



(., 2000; . . ., 1993; . . ., 1998; . . ., 2005).

(. . ., 2001; . . ., 2007).

1. ( , in vivo )
2. ;
3. ;
4. ;
- 5.

1.

2.

( , ) ( )

«

»

(11-12

2010),

. 25-

(2011),

(2011),

(2011).



10 , 1 , 5 , 2 2 -

134 -

, 2 , -

25 , 31 164 52 216

« »

186 18-22 , 2-3

, 80 180-220 12

350-400

( ),

7-10 199 10 +4<sup>0</sup>

2-3 1000 /

in vivo

( )

5-

Jerne N. Nordin A. (1963).

0,6% ( «Serva» )

+49<sup>0</sup> .

( 40 ) 0,1

, 0,03 20% 1

+49<sup>0</sup> .

1,5 +37<sup>0</sup> .

1

1:20 1

+37<sup>0</sup> .

(« »), ( -

) 1 . ( ) .  
 .  
 50 96-  
 ( . . ,  
 1984). 50  
 ,  
 . ( ) . 50 1%  
 . 1  
 +37<sup>0</sup> .  
 ,  
 ( « » ) .  
 2 (log<sub>2</sub>).  
 .  
 ( . . , . . ,1965). ,  
 199.  
 .  
 199 ,  
 .  
 .  
 ( , ) ( , )  
 ) .  
 .  
 ( ) .  
 BALB/c 20-22 .  
 50 / 6 . ,  
 ,  
 ( ) 4×10<sup>9</sup> (Whisler, Stobo, 1975). 8  
 , ( ,  
 - ), 2×10<sup>7</sup> ( )  
 -  
 2×10<sup>8</sup> )  
 5 ,  
 ( ) .  
 ( ) .

, 10<sup>6</sup> -  
 . ( ) -  
 : 1) 1 /  
 4 ; 2) 25 / ; 3) 4 -  
 ( ) 30 / . 4 -  
 .. -  
 . -  
 ----- 10% -  
 , 48 , -  
 2-4 , -  
 , 5-8 , -  
 : -  
 - -  
 10 3 . 0,2 3 -  
 , 70° 96° , - , -  
 . : -  
 , - -  
 ( . . , 1990). -  
 - ( -  
 ), , ( -  
 , ( ) , -  
 . -  
 . (m) : m= /b, -  
 ; b - -  
 ; - -  
 10 . -  
 , -

100 ( 18  
 0,01 , 10 ) .  
 22  
 0,01 ( ), =18\*0,01  
 , b=22, m = (18\*0,01):22=0,0082 = 8,2 .  
 ( ) .  
 (CCL<sub>4</sub>),  
 3- 20 %  
 0,2 ( . . . , 1984).  
 CCL<sub>4</sub> 2×10<sup>8</sup>/  
 5 ( ) .  
 20-22 .  
 50 / 6  
 ( 6 )  
 2×10<sup>8</sup>/ 5-  
 70 / . 30  
 . 1.  
 : - 0,0106 . ( 4198-75);  
 - 0,0796 ( 11773-76); - 0,0076 ( )  
 42 -0129-96; 4233-77); - 0,0106 ( 4167-74);  
 - 0,0796 ( -XI . 430; 4201-79);  
 0,0100 ( - 1 . 10; 9656-75).  
 0,2 . « » ( . ) .  
 2. ( ) . :  
 1,0 (Artemisia absinthium L.) ( 42 -0264-99); - 1,0 (Herba  
 origami vulgaris ) ( 42 -0024-2000); - 1,0 (Flores Calendu-  
 lae) ( 42 -0105-96); - 1,0 (Horls Helichrysi)  
 ( 42 3-0010-2000); - 1,0 (Achillea millefolium L.) ( 42 -  
 0256-99); - 1,0 (Polygonum hidropiper L.) ( 42 -0348-2000).

0,5 , 30 -

3. « » ( . , ) .

« »

« »

1,94 , 1,54 , - 2,14 ( <0,05), -

1,49 . -

( <0,05). 1,57, 1,71 1,53 , -

- 1,65 1,47 ( <0,05), 1,51 -

( <0,05), - 1,81 1,71 1,52 . -

1,5, 1,83 1,61 , -

5,12 . , -

2 , - 3,54

3,0 . , -  
 , -  
 . , .  
 , 1,89 , -  
 - 1,64 1,50 1,39 ; -  
 .  
 1,3 , 2,48 , - 1,50 -  
 . , 1,70 , - 1,50  
 . 1,81 .  
 . 1,40 , - 1,49 1,43  
 . , -  
 , 2 , 1,33  
 , - 1,55 , - 1,44 .  
 1,80 . -  
 1,40 ( <0,05), - 1,53 - 1,50 . -  
 1,36 . 1,32 , 1,62 . - 1,42 , -  
 .  
 CCl<sub>4</sub> . , -  
 2,4 , . -  
 . , -  
 .  
 , 9 , 7 . 2 -  
 : 1) ( / ); 2)

1 . ( /1 ); 3) -  
 ( ); 5) ( ); 4) ( ); 6) -  
 ( ); 7) ( ); 8) -  
 ; 9) 18, -  
 17 - -  
 (r=0,79).  
 15 3 (1  
 14 ), 3 , . -  
 2 , 18 , -  
 16 - . -  
 23, 8 5 5 18 -  
 , . -  
 , 1 , 12 13 -  
 , , -  
 , . -  
 5,87 . -  
 2,1 , - 3,2 2,59 -  
 , . -  
 ( 1,70 ) . -  
 , , 1,20, 1,30 1,25 . -







«

»

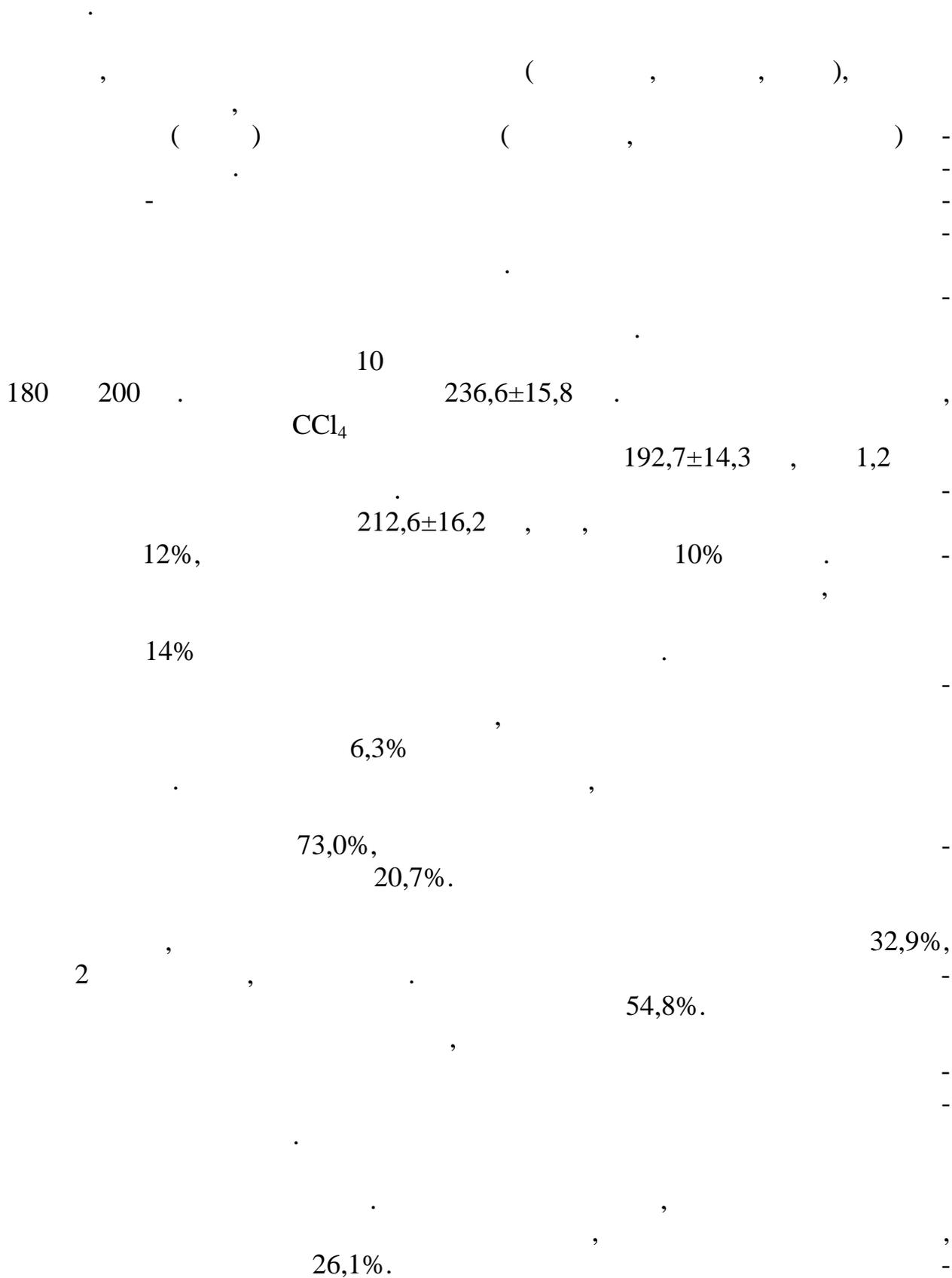
( , , )





2-3





162,7±3,6 ,

2

. -

,

.

,

-

,

2

,

-

.

2,3

,

.

-

.

-

.

.

,

-

-

.

1.

:

(

,

)

-

,

-

,

2.

.

,

-

.

-

3.

-

,

-

,

,

-

4.

.

-

5.

,

.

-

.



1. : . . . . . , 2011.

106 .

2. : . . . . .

3. // . , 2008. - 3. . 69-70.

// . , 2008. - 3. . 11-13.

4. . . . . //

( . ) - 2010, : 3- «

« » (12-16.04.2010 .) , 2010. . 23-27.

5. . . . .

// . - , 2011. - 1. - . 6-8.

6. . . . .

// . - 2011.- . 15.- 6.- . 20-24.

7. : . . . . . «

// . . . . . » (11-12 . 25- 2010 .). - . - 2010. . 31.

8. . . . . // . . . . . «

25- (11-12 2010 .). - . - 2010. . 31-32.

9.	· · ,	· · ,	· ·	-
			· -	-
	· -	, 2010. - 28 .		
10.	· · ,	· · ,	· ·	-
			· -	· -
	, 2010. - 24 .			



14.00.36 -

«

»

-

:

, ,

,

:

.

,

,

,

,

,

.

.

(

,

,

)

:

.

-

.

:

,

,

,

( )

.

.

,

,

( )

( , )

)

-

.

,

,

:

,

-

.

:

-

.

:

.



... : « -

»

14.00.36 -

:

,

,

-

.

:

,

,

,

-

,

,

.

:

(

,

-

)

.

:

-

.

:

,

-

,

(

)

-

.

-

.

,

( )

( ,

-

)

-

.

.

,

,

:

.

-

-

.

:

-

-

-

-

.

:

.

## RESUME

Thesis of Ashurova F.Q. on the scientific degree competition of the doctor of philosophy in medical sciences on specialty 14.00.36 - allergology and immunology, subject: "Influence of some hepatoprotectors to morphofunctional conditions of Immune system in toxic damages of lever"

**Key words:** immune response, the organs immune system and correction of immunity.

**Subjects of the research:** the spleen, thymus, lymph nodes, liver, bone marrow and blood.

**Purpose of work:** Immunological and immunomorphological assessment of action on the immune system of some hepatoprotectors protopin, gepatin and BBC, on the base of plant and saline nature in conditions of acute and chronic hepatitis during the experiment.

**Methods of research:** Experimental immunologic and common morphological methods.

**The results achieved and their novelty:** It is established that hepatoprotectors protopin, gepatin and Bosorov bileexpelling collection (BBC) have the ability to significantly increase the immunoreactivity of the in body normal mice. Studied hepatoprotectors correct disorders in the immune status in acute and chronic toxic hepatitis.

Protopin, gepatin and BBC restore the morphological changes in liver, central (thymus) and peripheral (spleen, lymph nodes) organs of immunity during acute and chronic toxic hepatitis. Hepatoprotectors stimulate the metabolic function of liver in acute toxic hepatitis.

Under the influence of protopin, gepatin and BBC the increasing of number and strength of correlating relationships in the immune and hematopoietic systems both in normal and in acute and chronic hepatitis.

**Practical value:** Obtained results may be experimental basis for the use of some hepatoprotectors as immunomodulatory agents for the disorders correction in immune system during liver pathology of various etiologies and secondary immunodeficiencies.

**Degree of embed and economic effectivity:** The results of study have been included in the scientific and practical activity of the Department of Pharmacology and Clinical Pharmacy of Tashkent Pharmaceutical Institute.

**Field of application:** medicine.

: \_\_\_\_\_