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IMPACT OF PLUMBUM ON BLOOD FORMATION IN RATS OF DIFFERENTAGE
S. S. Ostrovska, V.I. Garets

SUMMARY

We have studied the impact of plumbum on the structure of the bone marrow and peripheral blood in young and adult rats. Plumbum in concentration 1/10 LD₅₀ causes depletion of the marrow that is accompanied by development of anemia in the peripheral blood; it develops more intensively and lasts longer in young rats. In the bone marrow, an expressed deficiency of the earliest precursor cells of erythropoiesis and leucopoiesis appears. In the group of adult rats, at the end of cytonormalization of the indicators develop within the observation period; in the group of young rats, expressed anemia remains.

1/10 LD₅₀

(Pb), [1, 5, 12]. 97,6 ± 2,4 , 120

[7, 8, 10, 11]. 222,6 ± 10,5 . (10)

1/10 LD₅₀ 1 0,9% NaCl (10)

1 0,9% NaCl. 1, 3, 5, 10 , 10 20

20 30). (, -

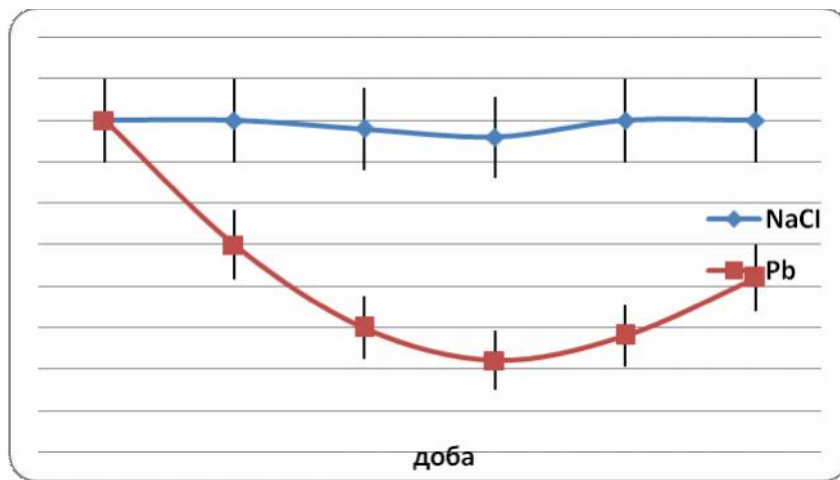
[3, 4, 8, 9]. 20- 1, 10 30- , -

1/10 LD₅₀ . () -

199. (10⁶) -

60 - , -

900 (.1)
 200 (%)
 3
 29,4 ± 2,6% (<0,05).
 10
 10
 [2].
 (10⁹ /), (10⁹ /), 5
 (10¹² /), (/),
 (%).
 t- C



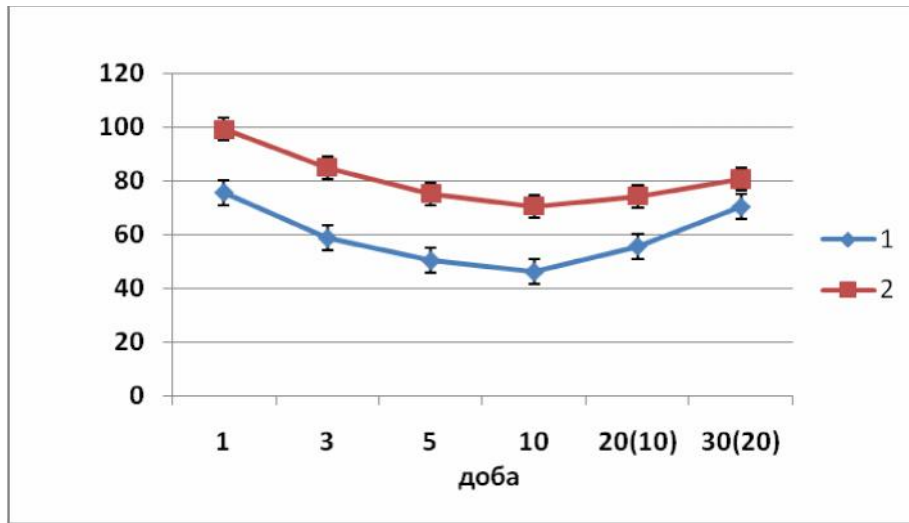
.1.

y - % ;
 10 0,9% NaCl
 0,67 ± 0,03 (-0,80± (p <0,05), 12,8 ± 2,1%
 10 0,02, p<0,05).
 1-
 (.
 2),
 5 10
 (.1),
 10 32,6 ± 2,6 10⁶ (-70,9 ± 1,4
 10⁶).

15%.

5 10

Pb.



. 2.

; - ; 1, 2- % -
 ; - ;
 , , , [3, 4, 5, 6].
 , - 1. 1/10LD₅₀ -
 , - 2. , -
 , - [Pb -
 , [9, 11] , -
 , Pb [8, 12]. -
 [12], , 1. . . : -
 , , - 2. - : ,1991. - 496 . / . .
 , , - . . . - : . / -
 , , 2004. - 203 .
 [9, 10]. 3. 2000-2005 // , - . -2001.-
 Pb - 3. - . 7-39. -
 , , 4. -
 Pb. , , // . / . -

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