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THE AGE FEATURES OF THE IONO-REGULATING RENAL FUNCTION UNDER INFLUENCE OF THE ALUMINUM AND LEAD SALTS IN PINEAL GLAND HYPOFUNCTION

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Abstract. In experiments on 36 subadult and adult male albino rats of non-linear mass, respectively 0,60-0,10 kg and 0,14-0,20 kg showed that the studied environmental burden of lead chloride is accompanied by a nephrotoxic effect in mature rats with respect to immature animals. Additional administration of aluminum salts on the background of lead salts are characterized by less nephrotoxic effect through reducing of the proteinuria degree and loss of sodium excretion in adult and subadult animals.

Keywords: kidney, lead chloride, aluminum chloride, pineal gland.

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0,60-0,10 0,14-0,20 ,

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[1, 2, 3, 4].





[5, 6, 7, 8].

0,14-0,20

36

0,60-0,10

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(. 2) ,

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$(\bar{x} \pm S_x)$

	(Al+Pb) (n=6)	(n=6)
/ ,	0,5 0,03	0,5 0,05
/ 2 / 100 ,	0,74 0,18	0,99 0,23
,	0,04 0,0002	0,003 0,0003 p<0,001
, /	121,7 1,83	128,21 1,83 p<0,05
/ 100 ,	1,29 0,05	1,11 0,05 p<0,05
/100 ,	24,24 9,7	26,0 10,37

: 1. p –
. 2. n –





$(\bar{x} \pm S_x)$

	(Al+Pb) (n=6)	(n=6)
/ ,	1,14 0,05	0,7 0,03 p<0,001
/ 2 / 100 ,	2,36 0,37	1,96 0,26
/ / 100 ,	22,71 4,42	39,82 5,94 p<0,05
/ / 100 ,	2,53 0,27	2,17 0,17 p<0,02
/ 2 / 100 ,	2,29 0,09	3,19 0,08 p<0,001
· · ,	0,008 0,0001	0,005 0,0002 p<0,001
/ 100 , / 2	293,4 21,51	420,36 75,04
/ 2 / 100 ,	5,41 2,23	1,26 0,65

: 1. p -
. 2. n -

(. 3) ,

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$(\bar{x} \pm S_x)$

	(Al+Pb) (n=6)	(AL+Pb) (n=6)
· / ,	1,36 0,07	0,86 0,10 p<0,01
/ 2 / 100 ,	3,71 0,51	1,65 0,39 p<0,01





/ / 100	, 30,64 4,69	11,03 2,55 p<0,01
/ / 100	, 3,95 0,38	1,82 0,32 p<0,01
/2 /100	, 2,94 0,13	2,24 0,32 p<0,001
/2 / 100	, 0,02 0,003	0,01 0,003 p<0,05
, .	, 0,01 0,0006	0,007 0,0009 p<0,05
/	, 131,4 1,53	122,5 1,42 p<0,01
/100	, 1,43 0,09	2,48 0,23 P<0,01

1. p –
2. n –

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