

03.11.2014. , 4600/11,

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mr dr

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2. . ,
3. . ,
4. . ,
5. . ,

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mr sci

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o

(- *reactive oxygen*

species-ROS)

(- *reactive nitrogen species-RNS*)

(engleski- *antioxidant defence system-AOS*)

ROS RNS,

(O_2^- $NO\cdot$)

ROS,

-A (-Acute renal failure-ARF)

(acute kidney injury-AKI)

RIFLE

(**R**isk of renal dysfunction, **I**njury to the kidney, **F**ailure of kidney function, **L**oss of kidney function and **E**nd-stage kidney disease)

50%.

50-70%,

80-90%.

-S-

(GST).

(,).

o

(1.

(O₂⁻) 2.

(H₂O₂) 3.

(NO) 4.

(TBARS))

(1.

-

(SOD), 2.

(CAT)

3.

(GSH))

;

;

;

2008

2010.

()

(superoxide dismutase-SOD, catalase-CAT, glutathione GSH, Thiobarbituric Acid Reactive Substances-TBARS, - H₂O₂, -O₂⁻

NO).

SOD.

SOD 0,2

, SD 0,2,

0,05

0,8,

10

25

65,

18

50%

176 nmol/l.

: I

/ , II

III

(SOD),

(CAT),

(GSH)

(TBARS),

(H₂O₂),

(O₂⁻)

(NO)

(\bar{X})

-standar deviation SD

-standar error SE).

:
,
;
);
Pearson- Wilcoxon- Friedman-
(alfa) 0,05.

139

B)

H₂ 2

ClCr
ClCr 59-30nmol/ml,

65 NO
65 BARS-
SOD
SOD
A
65 CAT
GSH
GSH 65
GSH 65
ClCr ClCr
59-30nmol/ml,

SIMV-a

IL6,

eJGF.

O_2^- GSH, O_2^- TBARS O_2^- CAT, CAT H_2O_2 .

O_2^- H_2O_2 . O_2^- TBARS

O_2^- SOD, SOD H_2O_2 . SOD CAT.

O_2^- TBARS, TBARS H_2O_2 ,

SOD CAT.

BARS-

GSH

SOD

C)

41,1%-63.9%

RIFLE (Risk of renal dysfunction, Injury to the kidney, Failure of kidney function, Loss of kidney function and End-stage kidney disease)

50%.

50-70%,

- 80-90%.

().

19-31%

1-10 12,5%

-S-

(GST).

(,).

D)

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3. Peši S., Jakovljevi V., ubrilo D., Živkovi V., Jorga V., Mujovi V., et al. Oxidation status evaluation in elite karate athletes during training process. *Military-medical and pharmaceutical review* 2009; 66 (7);551-5

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, 08.12.2014.

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