

INDEXES OF BLOOD OUTFLOW IN PORTAL VEIN IN THE CONDITIONS OF MANY DAYS DOSED PHYSICAL LOADING

V. F. Drel

SUMMARY

The studying of quality indexes of blood outflow in portal vein (PV) and functional reserve of liver (FRL) is executed before and after the physical loading (FL) in the conditions of at 30-days daily dosed runing on white male rats. It was established that FL changed the quality indexes of blood outflow in PV. The diameter of PV was increased, linear and volume (Q) blood outflow were slowed. Mass of animals diminished in the process of experiment, that was a cause of the increasing Q/100 g of animal mass. FRL fallen down (the index of portal blood outflow was below 1,0) in all the cases after FL.

() 30- ()

() (Q) Q/100 1,0).

« » «

() .

0198U002641).

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, 10

[4, 5].

90-

23 / .

42-45 / [6, 7].

80

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(1, 10, 20 30)

(0,1 100

)

Sonoace-8000 (Medison,

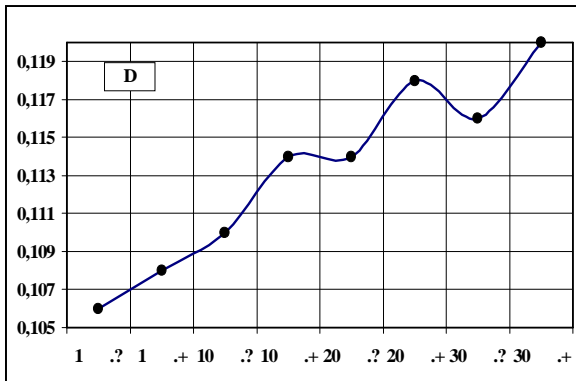
7,5

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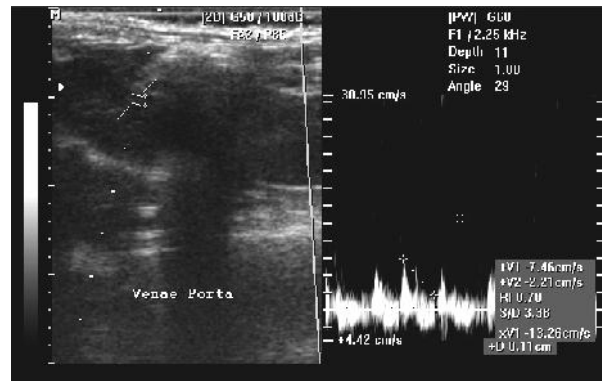
« »,
 (D) (, 1986) [8], «
 (V .), » (, 2001).
 ; (Qcp.), / ;
 / ; 100
 (Q/100).
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 [1, 2, 3].

Microsoft Excel 2007.

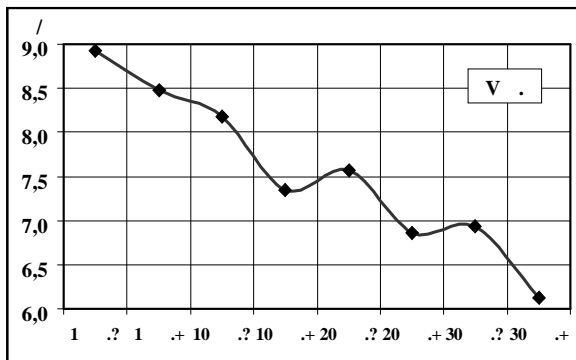
()
 0,10–0,13
 (0,11±0,01 p<0,01) (.1).
 (.2).



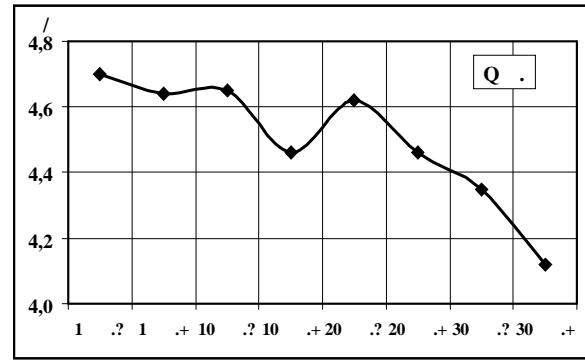
.1. 30-
 (-) (+)



.2. 1-

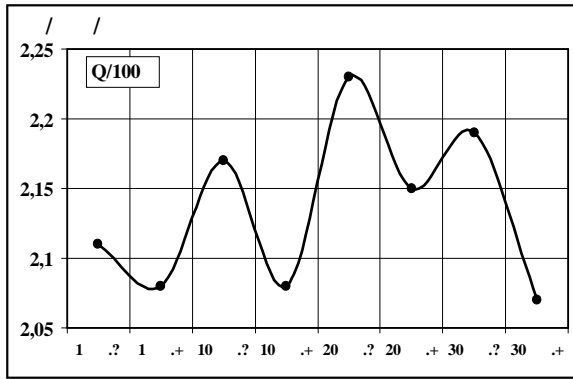


.3. 30-
 (-) (+)

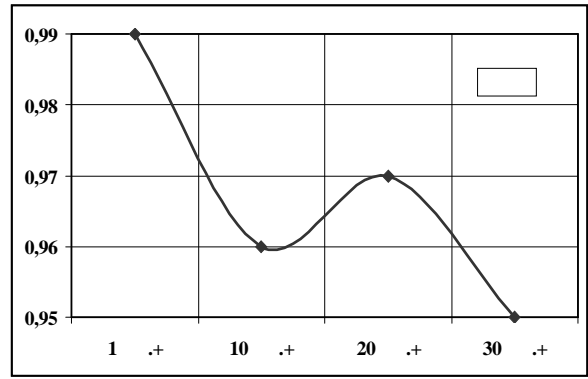


.4. 30-
 (+) (-)

– 0,116 ±
 0,009 p<0,001; V . – 8,51 ± 1,44 /
 : (V .) p<0,05; Q . – 5,58 ± 1,75 / p<0,05; Q ./100
 – 2,78 ± 0,63 p<0,05.
 0,09–0,12 (0,106±0,011 p<0,01).
 100 (Q ./100)–1,40–3,72 / V . Q .
 /100 (2,37±0,64 / /100 p<0,05) (.5). 7,66–10,06 / (8,92±0,68 / p<0,001)
 30- 3,59–5,75 / (4,70±0,63 / p<0,01)
 (. .1,3 4), Q ./100–1,67–2,35 /
 /100 (2,11±0,21 / /100 p<0,01) (.5).



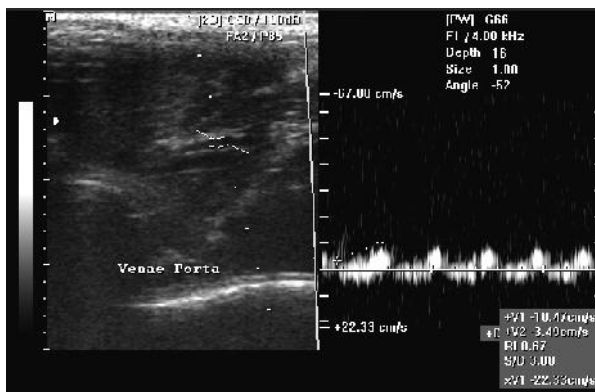
.5.
100 (-) 30- (+)



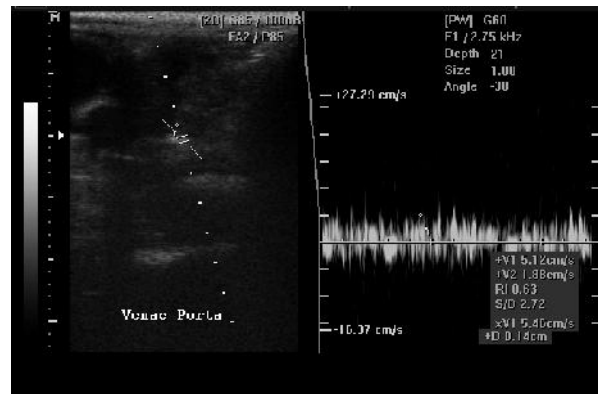
.6.

0,10-0,12 (0,108±0,010 p<0,01), 1,022
±0,036
V : 1,051±0,028
Q :- 1,011±0,066
V . Q . 7,50
-9,10 / (8,48±0,61 / p<0,001) 4,18-
5,39 / (4,64±0,48 / p<0,01) (. .
1,3 4), Q ./100 -1,97-2,20 / ./100 (2,08±
0,08 / ./100 p<0,001), 1,011±0,066

.5).
()
1,0. 0,91
1,18(0,99±0,77)(.6).
(.7).



.7. 15 1-

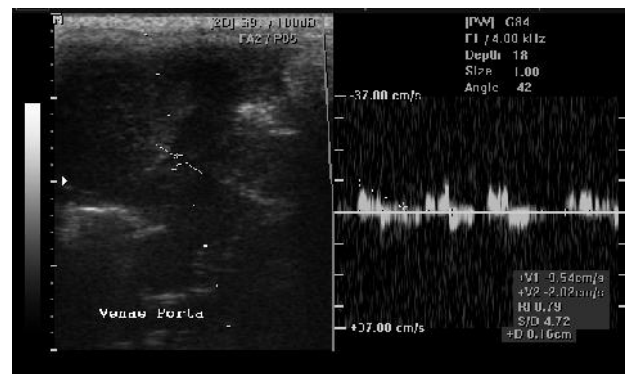
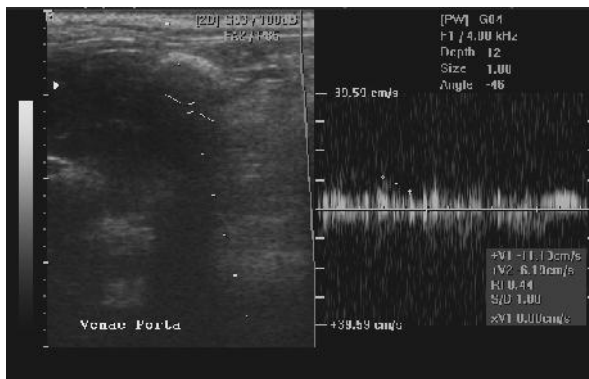


.8. 15 10-

10-
p<0,01), 0,10-0,12 (0,11±0,001
1,044±0,071
V . Q . 10-
7,45-8,89 / (8,18±0,48 / p<0,001)
3,98-5,24 / (4,65±0,45 / p<0,01),
1,090
±0,055 1,016±0,107 (. .1,3 4).
Q ./100 2,04-2,33 / ./100 (2,17±
0,08 / ./100 p<0,001), 1,047±0,140
(.5).

10- 15
-0,13 (0,114±0,009 p<0,001), 1,037±
0,044
V : 1,120±0,079
Q :- 1,041±0,015
V . Q . 6,21-
8,09 / (7,34±0,52 / p<0,001) 3,81-
5,03 / (4,46±0,42 / p<0,001)
(. .1,3 4). Q ./100
2,0-2,17 / ./100 (2,08±0,07 / ./100

p<0,001), 1,041±0,015 (. 5). , - 20- 15 0,10- 0,13 (0,118±0,010 p<0,001), 1,035±0,042 , 1,0. , - , 0,93 0,98 (0,96 ± , V . 1,110±0,078 , Q . 0,01) (. 6). - 10- .V . Q . 6,04-7,68 / (6,86±0,55 / p<0,001) 3,62-5,05 / (4,46±0,44 / p<0,001) (. 1,3 4). - Q /100 1,96-2,31 / /100 (2,15± p<0,001), 1,036±0,037 (. 5). , V . Q . 20- 6,62-8,01 / 0,913 1,06 (0,97±0,04) (. 6). (7,57±0,38 / p<0,001) 3,77-5,29 / 1,0. - (4,62 ± 0,52 / p<0,01), - 1,178±0,044 20- 1,023±0,119 (. 1,3 4). Q / 100 2,04-2,40 / /100 (2,23±0,097 / / 100 p<0,001), 1,070±0,031 (. 5). (. 9).



.9. 15 20-

.10. 30- 15

30- , V . Q . 30- (0,116±0,009 p<0,001), 0,10-0,13 1,101±0,088 100 5,09-7,03 / (6,12 ± 0,58 / p<0,001), 3,55-5,55 / (4,12 ± 0,30 / p<0,001) 1,93-2,27 / /100 (2,07±0,096 / /100 p<0,001) (. 1,3 4). , V . Q . 30- 5,88-7,61 / (6,93±0,71 / p<0,01) 3,64-4,68 / (4,35±0,28 / p<0,001), 1,294 ± 0,088, 1,090±0,177 1,106±0,184 Q /100 2,02-2,37 / /100 (2,19±0,125 / /100 p<0,001) (. 1,3 4). 30- 15 0,11 (. 10). -0,13 (0,120±0,008 p<0,001), 1,037 ± 0,044 , V . 1,137±0,096 , Q . - 1,056±0,040, Q /100- 1,056±0,040 , V . Q . 30-

Q /100.
(1,0).

4. .-2009.- 36.- .17-19.

5. ,1982.- .1-301.
I.

II /I.

II
- ,1998.- .128-133

6. //

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