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USAGE OF LASER DOPPLER FLOWMETRY FOR CHILDREN BLOOD
MICROCIRCULATION ASSESSMENT

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The individual features of blood microcirculation were investigated for children of 6-9 years. The children normative of blood microcirculation were revealed due to laser Doppler flow data.

Key words: microcirculation, laser Doppler flowmetry.

(, 1980; , 2006).
(, 2003; , 2004).
(, 2000; , 2004; , 1995).
(, 2000; , 1998; , 2002; , 1993).
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« -01» (« », 0,63 .

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(), (Htk)

(V .),

(Nk): =V . × Htk x Nk. (1.)

Kv -

%:

Kv = ——— · 100

(2.)

6 9 17,36±0,61 . . ; - 1,38±1,3; Kv 8,25%.
 6 15,45±0,23 . . , - 2,01±0,93, Kv 6
 8,56%. 7 16,48±0,68 . . , - 1,38±1,1, Kv-7,82%. 8
 16,86± 1,08 . . , - 1,45±0,58, Kv 8 9,66%. 9
 -14,15±0,81 . . , - 1,41±0,35, Kv - 13,82% (. 1).
 8 16,86±1,08 . .
 6 - 15,45±0,23 . . , 9
 14,15±0,81 . .
 6 - 2,01 ± 0,93 . . ,
 7 -1,38 ±1,1 . . Kv
 9 - 13,82%, 7 7,82%
 16,85±1,2 . . 6
 9 1,25±1,1 . . 6,35%. 6
 18,62±1,1 . . , - 18,62±1,1 . . , Kv 7,93%. 7
 15,93±0,83 . . , - 1,25±0,35 . . , Kv - 8,01%. 8 - 16,54±0,92 . . ,
 - 1,43±1,38 . . Kv 9,43%. 9 - 14,20±0,25 . . ,
 1,39±1,40 . . , Kv -14,43%.
 16,73±0,98 . .
 1,53±0,64 . .
 1

					Kv	
6	18,62±1,10	12,64±0,54	0,82±0,11	1,62±0,52	7,93%	9,01%
7	15,93±0,83	16,88±1,03	1,25±0,35	1,52±0,68	8,01%	6,92%
8	16,54±0,92	16,95±1,32	1,43±1,38	1,47±1,23	9,43%	10,03%
9	14,2±0,25	14,20±0,25	1,39±1,40	1,43±1,10	14,43%	13,02%

Kv 6 9 9,21%. 6 -
 12,64±0,54 . . , 1,62±0,52 . . , Kv- 9,01%. 7 - 16,88±1,03 . . ,
 1,52±0,68 . . , Kv- 6, 92%.
 8 - 16,95±1,32 . . , -1,47±1,23 . . , Kv 10,03%.
 9 - 14,20±0,25 . . , - 1,43±1,1 . . , Kv 13,02%.
 18,62±1,1 . . ,
 12,64±0, 54 . . ; 7 - 15,93±0,83 . . ,
 - 16,88±1,03 . . 8
 14,2±0,25 . .
 0,82±0,11
 - 1,62±0,52 . . , 7 1,25±0,35 . . ,
 - 1,52±0,68 . . 8 9

7,93%, 6,92%, 14,43%, 6 1,41 7 1,38 8- 8 0,1

- 9,01%. 7 Kv 9,43%, 8 8,01%, 7 - 10,03%; 9 - 13,02%

1,25 0,16 9 1,33 0,5 1,45 1,40 1,39 1,29

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1. 1,38±1,10 2,01±0,93 : 14,15±0,81 19,21 ± 0,35

2. Kv - 7,82 13,82%

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