

DETERMINATION OF UROPEPSIN IN URINE IN IRON DEFICIENCY ANAEMIA IN EARLY CHILDREN AND ITS SIGNIFICANCE

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Annotation. WHO data according to, every 1.5 billion per year more than anemia with patients to list is taken, almost 50% of cases iron shortage with related to UNICEF's Micronutrient Initiative iron shortage anemia to work of competence serious decline, mothers of death increase, child physical and mental to develop negative impact to show such as economic importance has was factors between dependency shows . This and iron shortage anemia diagnosis early in the making various kind diagnostic methods question In children blood in diseases urine in the composition uropepsin amount determination less learned because of , we iron shortage anemia there is in children him/her to determine current that We knew . The work purpose so , anemia weight to the level related in the case in urine uropepsin Definition . Materials and methods . From 1 to 3 years old was every kind severe iron deficiency anemia 42 children were examined . Stomach fermentative function in urine issued uropepsin amount with Pepsinogen stomach mucus on the floor working will be issued and to the blood decreased by 1% urine with uropepsin in appearance Research for morning issued from urine last second part taken, its amount and first and second pee between past time record The patient was in children in urine uropepsin amount anemia weight level into account received without Iron deficiency was detected . in anemia in urine uropepsin amount decrease was shown. Even light level uropepsin also in anemia amount in urine healthy was to children than much lower ($P < 0.001$) was detected in urine uropepsin level study analysis this showed that his decrease anemia weight level increase parallel to . The lowest figures average and heavy level in anemia determined that is - up to 0.422 units per hour , (normally 3.696 units per hour). On average of the disease heavy at the level of 2.8 ± 0.51 units hour , and the norm is 7.46 ± 0.40 units organization Clinical recovery on time come , anemia with sick children's in most cases 56.3% in urine uropepsin amount to normal values a little closer indicated , while in 43.7% of patients indicators normalization trend observed , but not completely to the norm did not come close . In the urine uropepsin of the composition normalization of the disease weight to the level related was : it is light at the level sick in patients complete restored if , average and especially heavy at the level sick in patients this indicator , norm relatively as little as possible saved.

In urine uropepsin to the amount looking forward to it, early aged in children stomach without probing standing , stomach secretary function assessment possible. Stomach secretary function with in urine uropepsin connection and release Learning is

undoubtedly great interest awakens. In literature on this matter there is was information one to one is opposite. That is , GF Korotko , SM Ryss , LI Anokhina , R. B. Rustamov and others in urine proteolytic enzyme composition with stomach in the content acid, pepsin secretion between known one parallelism existence shows . This is stomach glands functional status about approximate conclusion release for uropepsin to study requirement Yu. I. Fishzon -Riss acid secretion level and uropepsin in the middle mutual related change that there is showed , but this with together with uropepsin that there is determination , stomach secretion probe check instead not to press emphasizes . In the urine uropepsin amount stomach secretion status indirectly to evaluate opportunity gives . At an early age children stomach probe check through stomach acid harvest doer function study big difficulties brought It emits . Therefore for us one of time in itself in urine uropepsin amount , iron deficiency anemia was in children , stomach acid harvest doer function status how much clear reflection that he/she has done determination for in urine uropepsin the composition we learned . In terms of age indicators When we study, we to age incomplete in children uropepsin in 75% of cases less was present in 74.9% of patients free chloride acid decreased , from 1 to 3 years old was in patients uropepsin in 65% of cases and 78.2% of patients free chloride acid decreased We saw . Our our research results this showed that in urine low uropepsin levels with stomach low acidity between parallelism exists , but no how in case in urine uropepsin completely absence record not yet , but some in patients free chloride acid It has also been observed that there is no in the urine uropepsin and stomach in the juice free chloride acid amount our study this showed that in urine uropepsin amount decrease to age related anemia weight It is also parallel to the level of . Also in urine uropepsin with stomach in the juice free chloride acid between mutual dependency there is in the urine uropepsin study stomach secretary of activity functional status about approximate conclusion to do for usage stated that it is possible above authors to the mind joining for reason That's it .

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