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COMPARISON OF PHYSIOLOGICAL AND MORPHOLOGICAL PARAMETERS OF THE PARATHYROID GLANDS IN THE AGE ASPECT

The study was conducted as part of research "Lectin markers and cytoplasmic signaling molecules during cell differentiation and proliferation" (state registration 0700U00106), «The search for new lectin drugs from Carpathian raw materials and the possibility of their use in biology and medicine" (state registration 0107U001048).

Summary. The content of parathormone in blood plasma of 604 persons with previously identified elevated general calcium level in blood has been studied. The amount of appeals from females has three times exceeded the males' ones. All the results have been divided into six groups according to the age of people under study: the first group (from 1 month to 14 years old), the second group (15-29 years old), the third group (30-44 years old), the fourth group (45-59 years old), the fifth group (60-74 years old), and the sixth group (75-90 years old). 105 cases of hyperparathyroidism which make up 17.38% have been registered. The division according to the gender character has pointed out the females' dominance – 10.92%. The significant increase of hyperthyroidism in age aspect has been marked; in persons of the third-fifth groups hyperthyroidism has been indicated in every fifth person under study, and in the sixth group – in every fourth person under study. The highest percent of persons with low indexes of parathormone has been detected in the first age group. In morphological studying of parathyroid glands the gradual decrease of the principal parathyrocytes' amount along with the enlargement of their nuclei' diameter with simultaneous insignificant increase of the nucleic acid content in women of older age groups.

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