PATHOLOGICAL MINERALIZATIONIN THE PROSTATE GLAND

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The human bodyis a complex systemof organic andinorganic substances that are inbalance. One of the consequences of the imbalance is ectopic biomineral is aton in human tissues and organs. Genetically pathogenic mineral aggregates are the "disease" of the body (Γ олованова O. A., 2003). The response of a living organism to the external pressure is the change of concentration of components of physiological fluids, the structure destruction of epithelial sheets and as a result, changing the parameters of the immoisture, and the disruption in the mechanism of synthesis of inhibitors-substances that inhibit the growth of concretions (Giachelli C.M., 1999).

The aim of this work is toconductdata analysis of scientific literature one ctopic mineral formation in the prostate to detecte tiopathogenetic features of prostate stones and effective ways to treat and prevent their formation.

The scientificliteratureof recent decadesgives groundsto assert that the processes of concrement formation in the prostate gland are influenced by manyfactors, pathological mineralization be realized by different mechanisms. They include chronic inflammation, stagnation fractions in gland, reflux of urine from theurethraat intravesicle obstruction, malformation of prostate and seminal vesicles, specific inflammation, polymorphism of geneprotein inhibitors of calcification. These mechanisms are interconnected, each of them may participate in the overall development of concrement formation in the prostate.

In recent years, due to improved instrumental diagnosis we observe a significantincrease ofthe number ofpatients, whowere found with pathogenic prostate glandbioliths, which requires more detailed and in-depthstudy of the mechanisms of mineral formation in the prostate.