

Pathophysiology of citrates and its role in stone formation in urinary tract

V.S.Dzyurak, A.S.Krikun, V. V.Kogut, A.I.Boyko

Summary. In article is presented metabolism and pathophysiology role in occurring of nephrolithiasis of the main inhibitor of stone formation in urinary tract - a citric acid and its salts. The citrate excretion is largely depends on acid-alkaline balance in organism. The mechanism of inhibition actions of citrate to examine on baue of crystallisation-agglomeration theory of stone formation.