
Study of the renin angiotensin system in children with portal hypertension

Shaimaa mohammed farid emara

There are many factors that have a direct and indirect effect on the afferent and efferent vascular tone which determine the perfusion of macula densa, stimulate renin and aldosterone so they have an effect on ANP level .The study was carried on 20 cirrhotic children and compared with 15 well matched apparently normal (control) children and it was found that it may be valuable to add another group of 20 cirrhotic adults with well matched 13 control volunteers .The cirrhotic children and adults were classified into compensated and decompensated groups. Patients and controls were subjected to the following :•Thorough history and clinical examination. •Abdominal ultrasound and liver biopsy. •Laboratory investigations which included :a)Liver functions: total bilirubin, SGOT, SGPT, ALP, albumin and prothrombin concentration. b)Some of the kidney functions: creatinine and serum sodium c)Specific investigations : PRA , ANP and SA.