عنوان مقاله:

Effect of celery,sour apple and carrot in some of serum biochemical parameters of diabetic rats

محل انتشار:

مجله دانشگاه علوم پزشکی کرمان, دوره 4, شماره 3 (سال: 1376)

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خلاصه مقاله:

In order to investigate the effect of celery,sour apple and carrot on some of the biochemical parameters of serum from diabetic rats,۲۵ male adult rats were selected.the rats were divided into ۵ groups.a group consisting of ۵ rats were chosen as the control group and diabetes mellitus was induced in ۲۰ out of ۲۵ adult male albino rats using intraperitoneal injection of ۱۷۰mg/kg(body weight) of alloxan.the diabetic rates were divided into four groups,three of which were fed a diet equal to ۶.۲۵% of the body weight with celery,or carrot foe ۱۵ days,the remaining non-diabetic rats(negative control group) received neither alloxan nor the test plants.following induction of diabetes mellitus,concentration of serum glucose,cholestrol,triglyceried ,bllod urea nitrogen,creatinine and the activity of ALT,AST,ALP increased significantly in the positive control group compared with the negative control group (p<۰.۰۵).compared with the positive control group,the concentrations of cholestrol and creatinine and the activity of ALT,AST,ALP were lower in group consuming carrol.compared with the positive control group,the concentrations of glucose,cholestrol,creatinine and the activity of ALT,AST,ALP were lower in the group consuming(p<۰.۰۵).comparison between the three expermental groups showed that celery may have more profound effects on the level of serum glucose,cholestrol,creatinine and the activity of ALT,AST,ALP than carrot and sour apple.since consumption of celery,carrot,and sour apple did .not have any significant effect on concentrations of protein,albumin,and globulin the results were not reported

کلمات کلیدی:

celert, malus domestica, carrot, serum biochemical parameters, Diabetes Mellitus, Rat