The effect of glycyrrhiza uralensis, showed induction effect on CYP450 isozymes. Efficacy and safety profiles of a drug may be affected when it administered concomitantly with liqourice (Tang et al.., 2009). and 7-ethoxycumarin O-deethylase (ECOD, 2.8 and 2.5 fold) were also shown to be increased (Asl and Hosseinzadah 2008).

Orange juice is probably the best known and most widespread fruit juice all over the world. It has high content of flavonoids, phenylpropanoids, hesperidin. it is cholesrtol free, fat free(Gianni Galaverna, et al. 2008), according to recent report orange juice, acts as an inhibitor of organic anion transporter proteins (OATPs) based on the report finding that the bioavailability of the antihistaminic drug fexofenadine in humans was reduced with Orange juice intake, (Dresser et al.. 2002).

The aim of the current study was to develop a new validated simple chromatographic method for quantifying candesartan and to study the effect of pomegranate, orange and liquorice juices on candesartan serum concentration in a pre fed rats.

According to the data presented by in this study, the manner in which candesartan concentration level was altered is caused by the component(s) of pomegranate. Therefore, it is of interest to determine the identity of the chemical(s) in pomegranate juice that exhibits the stated result. to enable health care professionals to avoid beverage-drug interactions. Furthermore, identifying situations in which the inhibition or induction of the liver and/or intestinal enzymes and/or transporters may be of therapeutic benefit.

In this study, we demonstrated the influence of pomegranate, liquorice, and orange juice on the pharmacokinetics of candesartan in rats, in comparison with water. the AUC of candesartan decreased, (approximately 1 fold) upon adminstration to