

## SUMMARY

The ABH blood group substances were studied in 86 diabetic patients. The high risk of DM were observed in blood group A patients (risk = 1.59) which supported the observation of Mc Connell et al in England, but it was not considered that this finding was significant, since there are many complexities in the susceptibility of DM. No mistyping was observed in 86 diabetic patients by routine tube technic which confirmed the observation of Guy et al when using the high-titered immune antisera but the mistypings were found when using the high-titered natural antisera in their series. The inhibition index values (Ii value) were obtained by using the microhemagglutination inhibition technic. The level of Ii values in serum of controls and diabetic patients of all blood groups were ranged from 2-32 and 2-128 respectively. The significant difference ( $P < .05$ ) in serum Ii values between patients and controls was found only in uncontrolable blood group B diabetics, but the significant difference in salivary Ii values was in both controlable and uncontrolable groups. 17.4% of type B patients had high Ii values in their sera and 52.2% had high Ii values in their salivas therefore the Ii values in saliva may be the better index in correlation with metabolic status of the patients.

The levels of Ii values of secretors and nonsecretors were not different in serum, but there was high significant in saliva i.e., the saliva of secretors had high Ii values than nonsecretors. This observation was agreed with the observation of Sturgeon et al. No correlation of Ii values between serum and urine was found in all blood groups,

however the correlation between serum and saliva was found only in subjects of blood group B controls. There were no associations of Ii values with age, sex and race of the patients and controls and no association with duration of disease of the patients. The association between levels of fasting blood sugar and B substance was found only in uncontrollable group and the reason of association could not be explained.

## BIOGRAPHY

Name : Ladda Kaojareon

Date of Birth : November 29, 1952

Place of Birth : Chumphon, Thailand

Institutions Attended : Triam Udom Suksa School, Bangkok.  
Febuary, 1971, Cirtificate of  
Mathayomsuksa V  
Faculty of Medical Technology,  
Mohidol University, Bangkok.  
March, 1975, Bachelor of Sciene  
B.Sc. (Med.Tech.)