

## SUMMARY AND CONCLUSION

This study was done on (80) patients of different dermatological diseases of both sexes and (20) normal individuals of both sexes, the controls divided according to their ages into two groups; group I with mean age 39.14 years and group II with mean age 12.48 years.

### I - Psoriasis :

(20) psoriatic patients were included in this study, their mean age was 36.25 years. Serum trace elements levels were as follow : Zinc level was 0.42  $\mu\text{g/ml}$ , copper level was 1.77  $\mu\text{g/ml}$  while selenium level was 114  $\mu\text{g/ml}$ .

Serum levels of trace elements in discoid type were (Zn) = 0.44  $\mu\text{g/ml}$ , (Cu) 1.8 $\mu\text{g/ml}$  and (Se - 119  $\mu\text{g/ml}$ ).

In vulgaris type were (Zn) = 0.37  $\mu\text{g/ml}$ , Cu = 1.75  $\mu\text{g/ml}$  and (Se) = 101  $\mu\text{g/ml}$ , and in flexural type (Zn) = 0.47  $\mu\text{g/ml}$ , (CU) = 1.6  $\mu\text{g/ml}$  and (Se) = 128  $\mu\text{g/ml}$ .

Tissue level of trace elements were as follow :

Zinc = 43  $\mu\text{g/g}$ , (Cu) = 6.3  $\mu\text{g/gm}$  and Se = 105  $\mu\text{g/gm}$ .

From all above we can conclude that :

- 1- Zinc concentration of serum of patients with psoriasis was decreased, while in tissue zinc was increased.
- 2- Copper concentration in serum was increased, while in tissue showed no changes.
- 3- Selenium concentration in serum was decreased, while in tissue showed no changes.