

## CHAPTER V

### CONCLUSION

1. The HFE polymorphisms (H63D and C282Y) was not found in the studied subjects at Maharaj Nakorn Chiang Mai Hospital.
2. Iron overload was obvious in the patients with  $\beta$ -thalassemia/HbE disease and homozygous  $\beta$ -thalassemia. ZPP levels were higher in  $\beta$ -thalassemia patients, indicating that although iron overload complicates the clinical symptom in these patients, the utilization of iron are impaired.

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่  
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