

## **CHAPTER I**

### **INTRODUCTION**

ThinPrep cervical cytology and Hybrid Capture II (HCII) HPV DNA detection technique have been used worldwide for many years. These techniques have been available at Gynecology Pathology Unit, Pathology Department, Chiang Mai University, since 2010. At the beginning, the pathologists (JS and KS) who give the ThinPrep Cytology Diagnosis were not familiar with the cytologic features on ThinPrep slides. Therefore, for the first year of the looking at the slides, every ThinPrep Cytology slide was examined by both pathologists. Then, the cases with disagreement were re-examined for the consensus diagnosis.

This study aims to evaluate the properties of the ThinPrep cervical cytology test and the HCII HPV DNA test in our institute from the recorded data in terms of the interobserver reproducibility and the correlation between the cervical cytology results and the prevalence of high-risk HPV infection.