

CHAPTER IV

RESULTS

A total of 1,211 women were screened for cervical cancer. Two cases were excluded due to unsatisfactory specimen. Two hundred and twenty five patients (225/1209, 18.61%) were followed up abnormal cytology cases. One hundred and forty six from these 225 (64.89%) cases were HR-HPV positive. The remaining 984 patients (894/1209) were screening cases from clinics and hospitals in the northern Thailand; of these, 126 (12.80%) cases were HR-HPV positive.

The prevalence of HR-HPV detection in each cytological category of 984 screening cases was demonstrated in table 1. HR-HPV was found in 8.55% (78/912) of cytological negative cases, 51.61% (16/31) of ASC-US cases, 64.71% (11/17) of ASC-H cases, 84.21% (16/19) of LSIL cases, and 100% (5/5) of HSIL cases. Table 2 showed p values from the correlation of HR-HPV rate between each pair of cytological categories. All category pairs yielded significant different in HR-HPV detection rate except for ASC-H VS LSIL, ASC-H VS HSIL, and LSIL VS HSIL.

Of 1209 cases, the patients' ages ranged from 14 to 79 years with the mean age of 42.5 ± 10.2 years. The cytology negative group was significantly older than the cytology positive group (43.61 years (95%CI=42.98-44.24) VS 38.36 years (95%CI=37.40-39.94), $p < 0.0001$). The HR-HPV negative group was significantly older than the HR-HPV positive group (43.06 years (95%CI=42.44-43.67) VS 39.10 years (95%CI=37.50-40.69), $p < 0.0001$).

Table 3 and 4 revealed the cytology results of 1209 cases from two pathologists. There were four major discrepancy cases (4/1209, 0.33%). One case with diagnosis of normal VS HSIL was called ASC-H by the consensus. The other three cases with the diagnosis of normal VS LSIL were given LSIL by the consensus. All of these four major discrepancy cases were HR-HPV positive. The minor discrepancy cases accounted for 7.36% (89/1209), including ASC/AGC VS normal (65/1209, 5.38%) and ASC/AGC VS SIL (24/1209, 1.99%).

The weighted agreement of interpreting ThinPrep cytology of two pathologists was 95.99% with weighted kappa of 0.76 (95%CI=0.72-0.81). The agreement was better in the group of women aged 50 years or under (weighted kappa =0.7882, 95%CI=0.7329-0.8435) than that of the women aged over 50 years (weighted kappa=0.6371, 95%CI=0.5393-0.7349).