Stoler et al. Cervical Tissue Adjunctive Analysis (CERTAIN) study

**Supplemental Table S3**

**Individual Surgical Pathologists (ISP) diagnoses in Round 1 (H&E) and Round 2 (H&E+p16) by reference diagnosis CPRH&E+p16**

| **ISP Reading Round Result** | **ISP Reader Diagnosis** |  | **Reference Diagnosis CPRH&E+p16 [a]** |
| --- | --- | --- | --- |
|  | **No CIN** | **CIN1** | **CIN2** | **CIN3** | **ACIS** | **Inv Carc** |  | **Total** |
| 1: ISPH&E | No CIN |  | 6358 (51.2%) | 494 (16.5%) | 202 (8.5%) | 19(1.4%) | 9(13.0%) | 0(0.0%) |  | 7082 |
|  | CIN1 |  | 5328 (42.9%) | 2035 (67.9%) | 705 (29.5%) | 71(5.3%) | 12 (17.4%) | 1(5.9%) |  | 8152 |
|  | CIN2 |  | 598 (4.8%) | 414 (13.8%) | 1052 (44.1%) | 451 (33.6%) | 7(10.1%) | 2(11.8%) |  | 2524 |
|  | CIN3 |  | 88(0.7%) | 40(1.3%) | 407 (17.1%) | 788 (58.6)% | 2(2.9%) | 1(5.9%) |  | 1326 |
|  | ACIS |  | 32(0.3%) | 7(0.2%) | 17(0.7%) | 10(0.7%) | 38 (55.1%) | 0(0.0%) |  | 104 |
|  | Inv Carc |  | 13(0.1%) | 6(0.2%) | 4(0.2%) | 5(0.4%) | 1(1.4%) | 13 (76.5%) |  | 42 |
|  | Total |  | 12417 (100%) | 2996 (100%) | 2387 (100%) | 1344 (100%) | 69 (100%) | 17 (100%) |  | 19230 |
| 2: ISPH&E+p16 | No CIN |  | 7060 (56.8%) | 410 (13.7%) | 32 (1.3%) | 1 (0.1%) | 1 (1.4%) | 0 (0.0%) |  | 7504 |
|  | CIN1 |  | 5125 (41.3%) | 2081 (69.4%) | 523 (21.9%) | 16 (1.2%) | 10 (14.1%) | 0 (0.0%) |  | 7755 |
|  | CIN2 |  | 185 (1.5%) | 455 (15.2%) | 1316 (55.0%) | 369 (27.4%) | 5 (7.0%) | 2 (11.8%) |  | 2332 |
|  | CIN3 |  | 34(0.3%) | 47 (1.6%) | 510 (21.3%) | 941 (70.0%) | 1 (1.4%) | 2 (11.8%) |  | 1535 |
|  | ACIS |  | 15 (0.1%) | 1 (0.0%) | 10 (0.4%) | 14 (1.0%) | 54 (76.1%) | 0 (0.0%) |  | 94 |
|  | Inv Carc |  | 0(0.0%) | 3 (0.1%) | 1 (0.0%) | 4 (0.3%) | 0 (0.0%) | 13 (76.5%) |  | 21 |
|  | Total |  | 12419 (100%) | 2997 (100%) | 2392 (100%) | 1345 (100%) | 71 (100%) | 17 (100%) |  | 19241 |
|  |

Inv Carc, Invasive carcinoma; ACIS, adenocarcinoma in situ; CPR, Central Pathology Review. [a] Numbers of cases in each indicated agreement category and column percentages are shown; shading indicates the diagonal of perfect agreement.