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

**Supplemental Table S2**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ISP Reading Round Results** | **ISP Reader Diagnosis** |  | **Reference Diagnosis CPRH&E [a]** | | | | | | | |
|  | **No CIN** | **CIN1** | **CIN2** | **CIN3** | **ACIS** | **Inv Carc** |  | **Total** |
| 1: ISPH&E | No CIN |  | 6752  (50.2%) | 251  (8.8%) | 62  (3.9%) | 8  (0.7%) | 9  (10.5%) | 0  (0.0%) |  | 7082 |
|  | CIN1 |  | 5797  (43.1%) | 1952  (68.1%) | 353  (22.2%) | 37  (3.0%) | 12  (14.0%) | 1  (5.9%) |  | 8152 |
|  | CIN2 |  | 738  (5.5%) | 580  (20.2%) | 816  (51.3%) | 379  (31.0%) | 9  (10.5%) | 2  (11.8%) |  | 2524 |
|  | CIN3 |  | 105  (0.8%) | 71  (2.5%) | 349  (21.9%) | 785  (64.2%) | 15  (17.4%) | 1  (5.9%) |  | 1326 |
|  | ACIS |  | 37  (0.3%) | 9  (0.3%) | 10  (0.6%) | 8  (0.7%) | 40  (46.5%) | 0  (0.0%) |  | 104 |
|  | Inv Carc |  | 16  (0.1%) | 4  (0.1%) | 2  (0.1%) | 6  (0.5%) | 1  (1.2%) | 13  (76.5%) |  | 42 |
|  | Total |  | 13445 (100%) | 2867 (100%) | 1592 (100%) | 1223 (100%) | 86 (100%) | 17 (100%) |  | 19230 |
| 2: ISPH&E+p16 | No CIN |  | 7251  (53.9%) | 226  (7.9%) | 23  (1.4%) | 3  (0.2%) | 1  (1.1%) | 0  (0.0%) |  | 7504 |
|  | CIN1 |  | 5651  (42.0%) | 1847  (64.4%) | 229  (14.4%) | 18  (1.5%) | 10  (11.4%) | 0  (0.0%) |  | 7755 |
|  | CIN2 |  | 445  (3.3%) | 693  (24.2%) | 861  (54.1%) | 323  (26.4%) | 8  (9.1%) | 2  (11.8%) |  | 2332 |
|  | CIN3 |  | 86  (0.6%) | 100  (3.5%) | 469  (29.5%) | 868  (70.9%) | 10  (11.4%) | 2  (11.8%) |  | 1535 |
|  | ACIS |  | 17  (0.1%) | 0  (0.0%) | 7  (0.4%) | 11  (0.9) | 59  (67.0%) | 0  (0.0%) |  | 94 |
|  | Inv Carc |  | 0  (0.0%) | 3  (0.1%) | 3  (0.2%) | 2  (0.2%) | 0  (0.0%) | 13  (76.5%) |  | 21 |
|  | Total |  | 13450 (100%) | 2869 (100%) | 1592 (100%) | 1225 (100%) | 88 (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.