**Supplementary Table 2.** Combined contingency table for all-stage HCC cases comparing GAAD with PIVKA-II, AFP, AFP-L3, GALAD, and ultrasound

|  |  |  |  |
| --- | --- | --- | --- |
|  | **GAAD+** | **GAAD-** | **Total** |
| PIVKA-II+  PIVKA-II -  **Total** | 34  7  41 | 4  17  21 | 38  24  62 |
| AFP-L3+  AFP-L3-  **Total** | 21  20  41 | 3  18  21 | 24  38  62 |
| AFP+  AFP-  **Total** | 22  19  41 | 1  20  21 | 23  39  62 |
| GALAD+  GALAD-  **Total** | 41  0  41 | 2  18  20 | 43  18  61 |
| Ultrasound+  Ultrasound-  **Total** | 29  12  41 | 9  12  21 | 38  24  62 |

AFP, α-fetoprotein; AFP-L3, *Lens culinaris* agglutinin-reactive fraction of α-fetoprotein; GAAD, gender (biological sex), age, AFP, PIVKA-II; GALAD, gender (biological sex), age, AFP-L3, AFP, PIVKA-II; HCC, hepatocellular carcinoma; PIVKA-II, protein induced by vitamin K absence or antagonist II.