**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** | 34741 | 41721 | 382462 |
| AFP-L3+AFP-L3-**Total** | 212041 | 31821 | 243862 |
| AFP+AFP-**Total** | 221941 | 12021 | 233962 |
| GALAD+GALAD-**Total** | 41041 | 21820 | 431861 |
| Ultrasound+Ultrasound-**Total** | 291241 | 91221 | 382462 |

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.