**Supplementary Table S9. ROC analysis of differentiating HCC from HH using spectral CT imaging-specific parameters.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **AUC** | **Cut-off value** | **Sensitivity, %** | **Specificity, %** | ***p*** |
| IDM in the AP(water mg/mL) | 0.890 | 13.66 | 80.6 | 88.2 | <0.001 |
| IDM in the PP(water mg/mL) | 0.767 | 22.36 | 71.0 | 76.5 | 0.002 |
| WDM in the AP(iodine mg/mL) | 0.514 | 1039.04 | 51.6 | 64.7 | 0.872 |
| WDM in the PP(iodine mg/mL) | 0.459 | 1039.05 | 47.1 | 74.2 | 0.643 |
| ICR | 0.890 | 0.61 | 87.1 | 82.4 | <0.001 |
| IUR in the AP | 0.865 | 1.52 | 83.9 | 88.2 | <0.001 |
| IUR in the PP | 0.793 | 0.74 | 77.4 | 82.4 | 0.001 |
| NIC in the AP | 0.816 | 0.08 | 90.3 | 76.5 | <0.001 |
| Slope in the AP | 0.890 | 1.85 | 80.6 | 88.2 | <0.001 |
| Slope in the PP | 0.767 | 3.03 | 71.0 | 76.5 | 0.002 |

ROC curves of all the parameters used for the differentiation of HCC from HH. The ROC curve was obtained as larger test result indicated more positive test for HCC.