**Supplementary Table S3.** **ROC values of differentiating HCC from HH with CT values at 40-140keV (at 10-keV intervals).**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Energy in keV** | **AUC** | **Cut-off value, HU** | **Sensitivity, %** | **Specificity, %** | ***p*** |
| AP |  |  |  |  |  |
| 40 | 0.896 | 151.16 | 87.1 | 88.2 | <0.001 |
| 50 | 0.896 | 106.87 | 90.3 | 82.4 | <0.001 |
| 60 | 0.888 | 84.76 | 90.3 | 82.4 | <0.001 |
| 70 | 0.880 | 70.83 | 90.3 | 82.4 | <0.001 |
| 80 | 0.873 | 60.37 | 90.3 | 76.5 | <0.001 |
| 90 | 0.844 | 57.19 | 83.9 | 76.5 | <0.001 |
| 100 | 0.812 | 62.93 | 58.1 | 94.1 | <0.001 |
| 110 | 0.774 | 60.92 | 54.8 | 94.1 | 0.002 |
| 120 | 0.754 | 57.94 | 54.8 | 94.1 | 0.004 |
| 130 | 0.734 | 55.32 | 54.8 | 94.1 | 0.008 |
| 140 | 0.708 | 54.38 | 48.4 | 94.1 | 0.018 |
| PP |  |  |  |  |  |
| 40 | 0.780 | 195.36 | 83.9 | 64.7 | 0.001 |
| 50 | 0.780 | 136.56 | 87.1 | 64.7 | 0.001 |
| 60 | 0.767 | 106.26 | 87.1 | 64.7 | 0.002 |
| 70 | 0.759 | 88.29 | 83.9 | 64.7 | 0.003 |
| 80 | 0.753 | 77.03 | 74.2 | 70.6 | 0.004 |
| 90 | 0.726 | 69.24 | 67.7 | 76.5 | 0.010 |
| 100 | 0.685 | 61.40 | 67.7 | 70.6 | 0.036 |
| 110 | 0.662 | 55.32 | 71.0 | 58.8 | 0.065 |
| 120 | 0.639 | 56.22 | 54.8 | 70.6 | 0.113 |
| 130 | 0.617 | 59.03 | 32.3 | 94.1 | 0.185 |
| 140 | 0.613 | 54.64 | 38.7 | 88.2 | 0.200 |

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.