**Supplemental Table 5. Comparison of diagnostic performances of overall, junior and senior radiologists for HCC between** **before and after systematic LI-RADS training**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Overall radiologists, *n*=20** | | **Junior radiologists,**  ***n*=10** | | **Senior radiologists,**  ***n*=10** | | |
| **Before training** | **After training** | **Before training** | **After training** | **Before training** | | **After training** |
| Sensitivity | 0.43 (0.37-0.50) | 0.54 (0.51-0.56) | 0.45 (0.35-0.55) | 0.54 (0.51-0.57) | 0.42 (0.32-0.51) | | 0.53 (0.48-0.58) |
| Specificity | 0.86 (0.82-0.89) | 0.88 (0.86-0.90) | 0.87 (0.84-0.90) | 0.89 (0.85-0.93) | 0.84 (0.77-0.90) | | 0.87 (0.84-0.90) |
| PPV | 0.74 (0.70-0.78) | 0.81 (0.79-0.84) | 0.76 (0.72-0.81) | 0.83 (0.79-0.87) | 0.72 (0.65-0.78) | | 0.80 (0.77-0.83) |
| NPV | 0.62 (0.60-0.64) | 0.67 (0.66-0.68) | 0.63 (0.59-0.67) | 0.67 (0.66-0.69) | 0.61 (0.58-0.64) | | 0.66 (0.64-0.68) |
| Concordance rate | 0.65 (0.62-0.67) | 0.71 (0.70-0.73) | 0.67 (0.62-0.71) | 0.72 (0.70-0.74) | 0.63 (0.60-0.67) | | 0.71 (0.69-0.73) |
| +LR | 3.60 (2.62-4.58) | 5.14 (4.28-6.01) | 3.90 (2.44-5.35) | 5.82 (4.26-7.37) | 3.30 (1.71-4.88) | | 4.47 (3.60-5.34) |
| -LR | 0.66 (0.60-0.72) | 0.53 (0.50-0.55) | 0.63 (0.53-0.73) | 0.52 (0.48-0.55) | 0.69 (0.60-0.78) | | 0.54 (0.49-0.58) |
| AUC | 0.64 (0.62-0.67) | 0.71 (0.70-0.72) | 0.66 (0.62-0.71) | 0.72 (0.70-0.74) | 0.63 (0.59-0.67) | | 0.70 (0.68-0.72) |
| *p*-value | <0.001 | | 0.037 | | | 0.004 | |

LI-RADS, liver imaging reporting and data system; HCC, hepatocellular carcinoma; +LR, positive likelihood ratio; -LR, negative likelihood ratio; PPV, positive predictive value; NPV, negative predictive value; AUC, area under the curve.