Suppl 5. The performances of each fold cross-validation for predicting MVI

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Fold****Sequence****(Feature number)/Model** | **fold 0** | **fold 1** | **fold 2** | **fold 3** | **fold 4** | **Mean** |
| **(TC/VC)** | **(TC/VC)** | **(TC/VC)** | **(TC/VC)** | **(TC/VC)** | **(TC/VC)** |
| **AP (20)** | 0.870/0.815 | 0.888/0.775 | 0.878/0.827 | 0.884/0.755 | 0.874/0.854 | 0.842/0.805 |
| **PP (15)** | 0.854/0.835 | 0.864/0.773 | 0.892/0.667 | 0.840/0.835 | 0.824/0.928 | 0.831/0.808 |
| **DP (13)** | 0.839/0.786 | 0.852/0.740 | 0.837/0.800 | 0.835/0.802 | 0.829/0.755 | 0.808/0.777 |
| **DWI (14)** | 0.876/0.762 | 0.847/0.813 | 0.873/0.731 | 0.848/0.846 | 0.816/0.858 | 0.827/0.802 |
| **T2 (13)** | 0.816/0.742 | 0.821/0.660 | 0.799/0.784 | 0.805/0.738 | 0.793/0.757 | 0.772/0.736 |
| **T1 (16)** | 0.836/0.826 | 0.855/0.751 | 0.838/0.824 | 0.885/0.661 | 0.836/0.788 | 0.810/0.770 |
| **AP+DWI (16)** | 0.890/0.869 | 0.889/0.844 | 0.885/0.874 | 0.911/0.742 | 0.857/0.944 | 0.870/0.855 |
| **AP+PP (17)** | 0.879/0.781 | 0.877/0.900 | 0.897/0.826 | 0.908/0.734 | 0.894/0.851 | 0.855/0.819 |
| **AP+DP (15)** | 0.855/0.913 | 0.873/0.782 | 0.863/0.853 | 0.875/0.740 | 0.865/0.827 | 0.845/0.823 |
| **PP+DP (17)** | 0.911/0.777 | 0.905/0.760 | 0.895/0.833 | 0.892/0.874 | 0.884/0.805 | 0.854/0.810 |
| **PP+DWI (18)** | 0.897/0.821 | 0.875/0.906 | 0.897/0.843 | 0.901/0.816 | 0.876/0.890 | 0.872/0.855 |
| **T1+T2 (20)** | 0.904/0.788 | 0.884/0.868 | 0.868/0.904 | 0.912/0.729 | 0.882/0.833 | 0.857/0.824 |
| **AP+PP+DP (15)** | 0.893/0.808 | 0.881/0.858 | 0.886/0.792 | 0.888/0.840 | 0.872/0.875 | 0.859/0.835 |
| **AP+PP+DWI (19)** | 0.930/0.814 | 0.899/0.944 | 0.916/0.885 | 0.930/0.804 | 0.913/0.853 | 0.889/0.860 |
| **AP+DP+DWI (20)** | 0.936/0.909 | 0.933/0.900 | 0.938/0.892 | 0.931/0.893 | 0.937/0.891 | 0.916/0.897 |
| **PP+DP+DWI (20)** | 0.926/0.935 | 0.944/0.820 | 0.941/0.865 | 0.922/0.939 | 0.935/0.834 | 0.906/0.878 |
| **AP+PP+DP+DWI (20)** | 0.939/0.885 | 0.944/0.895 | 0.939/0.918 | 0.935/0.887 | 0.927/0.933 | 0.920/0.904 |
| **ALL/Radiomics (18)** | 0.941/0.918 | 0.942/0.934 | 0.935/0.932 | 0.948/0.881 | 0.951/0.868 | 0.925/0.907 |
| **Clinicoradiologic** | 0.854/0.841 | 0.838/0.895 | 0.850/0.851 | 0.866/0.784 | 0.849/0.857 | 0.849/0.846 |
| **Clinicoradiomics** | 0.971/0.928 | 0.956/0.988 | 0.965/0.963 | 0.968/0.898 | 0.973/0.888 | 0.950/0.933 |

**ALL = (AP+PP+DP+DWI+T1+T2) was also the Radiomics model. Abbreviations: TC, training cohort; VC, validation cohort; AUC, area under receiver operating characteristic curve; T2, T2-weighted imaging; T1, T1-weighted imaging; DWI, diffusion-weighted imaging; AP, arterial phase; PP, portal phase; DP, delayed phase.**