

Table S1 MRI sequences and parameters (32)

| Parameters | T1WI | T2WI | DWI | CEMRI |
|------------------------------|-----------|---------|----------|-----------|
| Sequence name | TSE | FSE | EPI | 3D-VIBE |
| TR/TE (ms) | 5.48/2.46 | 700/97 | 1,700/75 | 3.92/1.39 |
| FOV (mm ²) | 380×380 | 380×380 | 380×380 | 380×380 |
| Matrix | 156×156 | 174×132 | 152×150 | 256×192 |
| Slice thickness/gap (mm) | 4/1 | 4/1 | 6/1 | 2/1 |
| Flip angle (°) | 10 | 90 | 90 | 10 |
| NEX | 1 | 1 | 1 | 1 |
| b value (s/mm ²) | – | – | 0, 800 | – |
| Scanning time (s) | 14 | 23 | 37 | 68 |

3D, 3-dimensional; CEMRI, contrast-enhanced MRI; DWI, diffusion-weighted imaging; EPI, echo planar imaging; FOV, field of view; FSE, fast spin echo; MRI, magnetic resonance imaging; NEX, number of excitations; T1WI, T1-weighted imaging; T2WI, T2-weighted imaging; TE, echo time; TR, repetition time; TSE, turbo spin echo; VIBE, volumetric interpolated breath-hold examination.

References

32. Liu HF, Lu Y, Wang Q, et al. Machine Learning-Based CEMRI Radiomics Integrating LI-RADS Features Achieves Optimal Evaluation of Hepatocellular Carcinoma Differentiation. *J Hepatocell Carcinoma* 2023;10:2103-15.

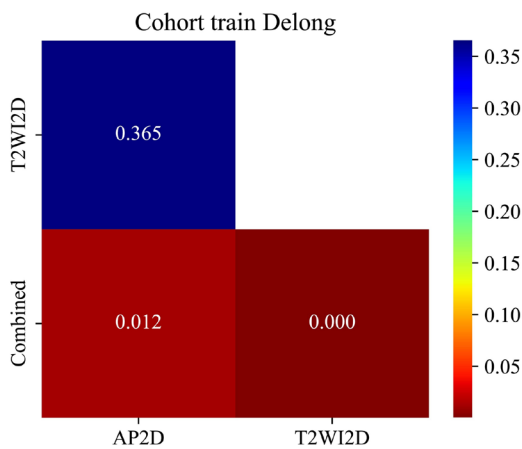


Figure S1 DeLong results of 2D models in the TC. 2D, 2-dimensional; AP, arterial phase; T2WI, T2-weighted imaging; TC, training cohort.

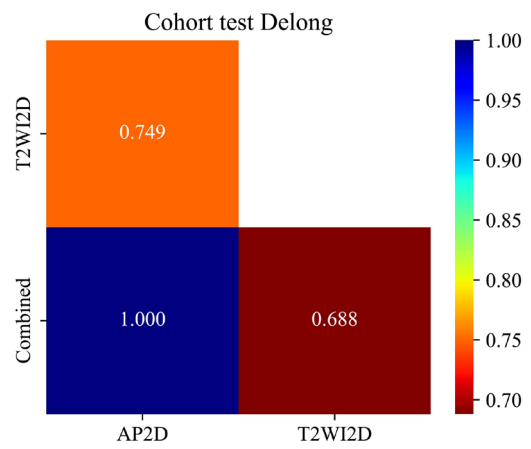


Figure S2 DeLong results of 2D models in the VC. 2D, 2-dimensional; AP, arterial phase; T2WI, T2-weighted imaging; VC, validation cohort.

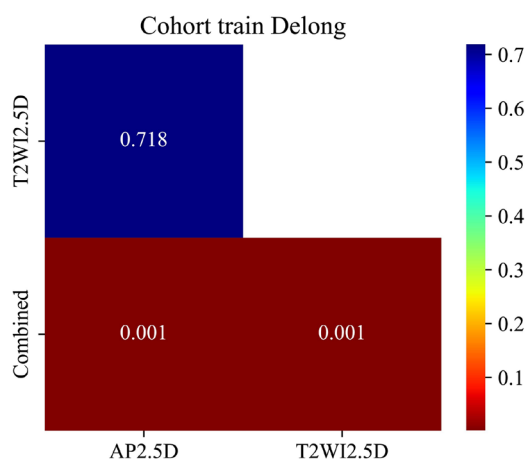


Figure S3 DeLong results of 2.5D models in the TC. 2.5D, 2.5-dimensional; AP, arterial phase; T2WI, T2-weighted imaging; TC, training cohort.

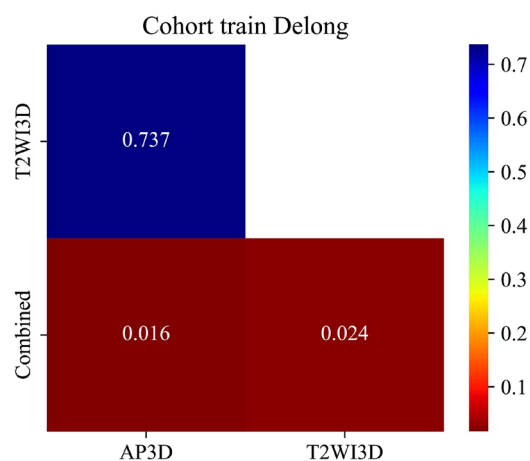


Figure S5 DeLong results of 3D models in the TC. 3D, 3-dimensional; AP, arterial phase; T2WI, T2-weighted imaging; TC, training cohort.

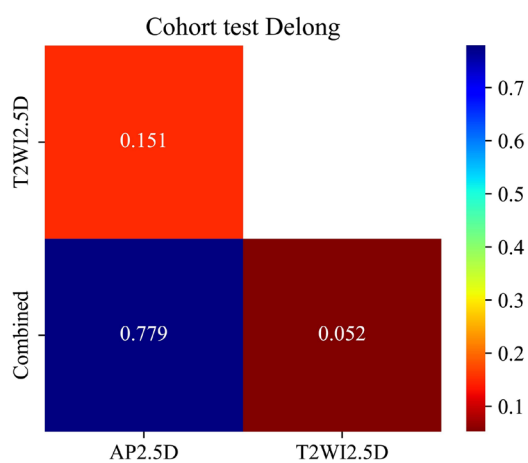


Figure S4 DeLong results of 2.5D models in the VC. 2.5D, 2.5-dimensional; AP, arterial phase; T2WI, T2-weighted imaging; VC, validation cohort.

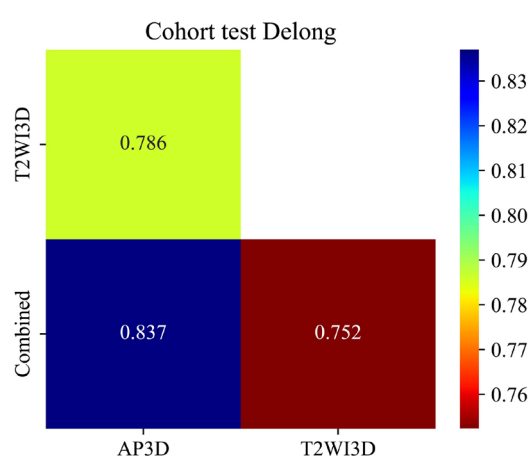


Figure S6 DeLong results of 3D models in the VC. 3D, 3-dimensional; AP, arterial phase; T2WI, T2-weighted imaging; VC, validation cohort.