

Ultrasound (Mar 5 2025):

- Coarse heterogeneous liver. Single hypoechoic lesion 4.2 cm in segment VIII.
- Impression: Suspicious for HCC; recommend triphasic CT.

Triphasic CT (Mar 8 2025):

- Arterial hyperenhancement, venous washout, capsule present.
- Single 4.1×3.8 cm lesion, LI-RADS 5.
- No vascular invasion or metastases.

MRI Liver (Mar 15 2025):

- Confirms single lesion, 4.3 cm, hyperintense on T2, capsule evident.
- Background fibrosis, no vascular invasion.
- 3D reconstruction metadata: 512×512 slices, voxel 1.2×1.2×1.5 mm, lesion volume 40.2 cm³.