

Informed Consent Waiver Statement

This retrospective study was conducted using anonymized clinical data of patients who underwent surgical treatment for colorectal cancer with liver metastases between January 2014 and January 2024 at the Affiliated Hospital of Jiangxi University of Chinese Medicine. No identifiable personal data or images were included.

The requirement for signed informed consent was formally waived by the Medical Ethics Committee of the Affiliated Hospital of Jiangxi University of Chinese Medicine, in accordance with institutional guidelines and the Declaration of Helsinki. The study was approved under the ethical review number: **JXZYYFS-LL-2025105**.