Waiver of Informed Consent Application Form

Project Title	Correlation and Heterogeneity of the Immune Microenvironment and Histopathological Growth Patterns in Resectable Colorectal Cancer Liver Metastases		
Department	Colorectal Cancer Center	Principal Investigator	Meng Qiu
Sponsor	West China Hospital of Sichuan University	Lead Institution	West China Hospital of Sichuan University

Note: For either of the following two circumstances, the Institutional Review Board (IRB)/Ethics Committee may approve a waiver of informed consent. However, please be aware that even if a waiver is granted, the IRB/EC may still require the investigator to provide study information to the subjects.

1. Research using medical records/biospecimens obtained from prior clinical care –Request for Waiver of Informed Consent	
☑	The medical records or biospecimens used in this study were obtained during prior clinical care. (Time period of collection: January 2018 to July 2024) **Explanation:** The study will use patients' prior hematological test results, imaging findings, pathological reports, and clinical information for statistical analysis.
☑	The risk to subjects is no greater than minimal risk[1]。 **Explanation:** Non-interventional, retrospective research.
☑	Waiving informed consent will not adversely affect the rights and welfare of the subjects. **Explanation:** Non-interventional, retrospective research.
☑	The privacy and personally identifiable information of subjects will be protected. **Explanation:** Patient privacy and personal information will be strictly kept confidential.
☑	The research could not be practicably carried out without the waiver of informed consent (Note: The fact that a patient has the right to know that their medical records/specimens might be used for research and that they may refuse or decline to participate is not, by itself, evidence that the research cannot be carried out without a waiver). **Explanation:** This is a retrospective study with a long time span; many subjects cannot be contacted. Requiring informed consent would result in substantial missing data and bias.
☑	The study does not use medical records or specimens from patients who have previously explicitly refused their use for research.
☑	The research involves identifiable human materials or data, but the subject cannot be located, and the research does not involve personal privacy or commercial interests.
2. Secondary use of medical records/biospecimens – Request for Waiver of Informed Consent	
☐	The biospecimen donor has signed an informed consent form agreeing that the donated samples and related information may be used for all medical research. **Explanation:**
☐	The current study falls within the scope of the original informed consent permission. **Explanation:**
☐	The confidentiality of subjects' privacy and identifiable information is ensured. **Explanation:**

[1] **Minial Risk：** It means that the probability and magnitude of harm or discomfort anticipated in the research are not greater than those ordinarily encountered in daily life or during the performance of routine physical or psychological examinations.

Research Commitment: This study does not involve personal privacy or commercial interests. The samples and related information will be used solely for this research project.

Principal Investigator Signature: _____ Date: _____