**Ideation Phase**

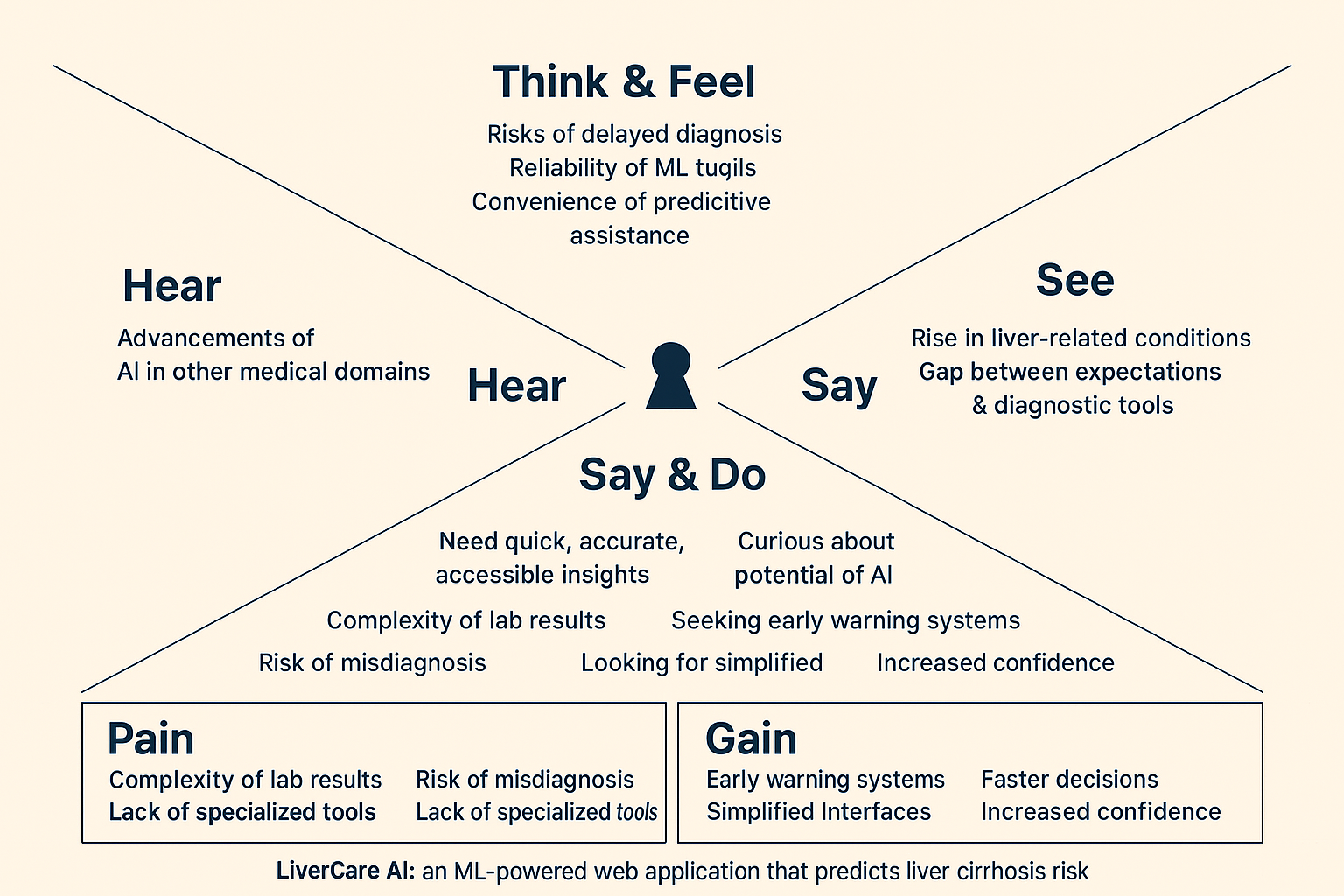
**Empathize & Discover**

|  |  |
| --- | --- |
| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID35938 |
| Project Name | Revolutionizing Liver Care : Predicting Liver Cirrhosis using Advanced Machine Learning Techniques |
| Maximum Marks | 4 Marks |

**Empathy Map Canvas:**

To design an impactful solution for liver disease prediction, we created an empathy map for our primary users—doctors, diagnostic technicians, and patients dealing with chronic liver issues. These users often **say** they need quick, accurate, and accessible insights into liver health without relying entirely on specialist consultations. They **think** about the risks of delayed diagnosis, the reliability of machine learning tools, and the convenience of receiving predictive assistance in clinical settings. They **see** a rise in liver-related conditions and the gap between patient expectations and available diagnostic tools, especially in under-resourced areas. These users frequently **hear** about the advancements of AI in other medical domains and express curiosity about its potential in liver care. Their main **pains** include the complexity of interpreting lab results, the risk of misdiagnosis, and the lack of specialized tools in smaller healthcare setups. They seek **gains** like early warning systems, simplified interfaces, faster decisions, and increased confidence in diagnosis. Our project, Liver Care AI, addresses these needs by providing an intelligent, ML-powered web application that predicts liver cirrhosis risk, enabling timely medical attention and enhancing the overall decision-making process in liver care.

**Example:**

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