**Hepatitis C Diagnosis Dataset**

Hepatitis C is a **chronic liver disease** that can progress through various stages, including **Fibrosis and Cirrhosis**. Early detection is **critical for effective treatment**. This dataset contains **patient demographic and laboratory data** to classify individuals into different categories: **Blood Donor, Hepatitis, Fibrosis, and Cirrhosis**. It is valuable for **machine learning applications** in **predicting liver disease progression**.

**Table: Dataset Attributes and Description**

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| **Attribute** | **Description** |
| **X** | Patient ID (unique identifier) |
| **Category** | Diagnosis category (0: Blood Donor, 1: Hepatitis, 2: Fibrosis, 3: Cirrhosis) |
| **Age** | Age of the patient (years) |
| **Sex** | Gender (M: Male, F: Female) |
| **ALB** | Albumin level (g/L) |
| **ALP** | Alkaline phosphatase (U/L) |
| **ALT** | Alanine aminotransferase (U/L) |
| **AST** | Aspartate aminotransferase (U/L) |
| **BIL** | Bilirubin level (mg/dL) |
| **CHE** | Cholinesterase (U/L) |
| **CHOL** | Cholesterol level (mg/dL) |
| **CREA** | Creatinine level (mg/dL) |
| **GGT** | Gamma-glutamyl transferase (U/L) |
| **PROT** | Total protein level (g/L) |

**Applications in Machine Learning & Healthcare**

* **Predicting liver disease progression**
* **Early detection of Hepatitis C and related conditions**
* **Developing AI-driven diagnostic models**

This dataset is an **essential resource for AI-based research in liver disease detection**, helping healthcare professionals **identify and manage Hepatitis C at an early stage**. 🏥