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| **Paper Name** | **Year** | **Author** | **Methodology** | **Merit** | **Demerit** |
| Software-based prediction of liver disease with feature selection and classification technique | 2020 | * Jagdeep Singh * Sachin Bagga * Ranjodh Kaur | Evaluate the liver diseases efficiently using feature selection technique and classification algorithms efficiently.Compare the results of both feature selection and without  selection technique on different classifiers to measure which method gives the more correctly classified result for diagnosis of liver diseases. | * Feature selection technique * Different classifiers. * The judgment of different results was done based on the categories | * Dealing with problems related to the performance, quality and debugging. |
| Liver Disease Prediction System using Machine  Learning Techniques | 2021 | * Rakshith DB * Mrigank Srivastava * AshwaniKumar * Gururaj SP | The system asks to enter your details including age, gender, total Bilirubin, direct Bilirubin, total proteins, albumin, A/G ratio, SGPT, SGOT and Alkphos. After taking these inputs from the user, the system compares the data input with the training dataset of most accurate model and then predicts the result accordingly as risk or no risk. | * No medical expertise required * High accuracy * Immediate results: | * Difficult to get such accuracies with very large datasets |
| Intelligent Identification of Liver Diseases (IILD) based on  Incremental Hidden Layer Neurons ANN Model | 2021 | * Pandurana Vital Terlapu * Ram   Prasad Reddy Sadi   * RamKishor Pondreti * Chalapathi Rao   Tippanal | This model uses the prediction using incremental hidden layer of the back-propagation ANN algorithm. | * Recognize disease through personal data items | * Early identification of LD is one of the exorbitant and complex assignments |
| Prediction and Diagnosis of Liver Disease Using Machine  Learning Models | 2022 | * Mr.Narendra G * Mr. TejasSV * Mr. Vishnu Teja S Hingoli * Mr. Pradeep E * Mr.Narayana H M | This model uses three machine learning algorithm. i.e., SVM, DT and RF. IT has Dataset collection, Date pre-processing,Data splitting, and classification | * Easy to predict. * Precise and recall measures | * No features selction * Can improve accuracy |
| Machine Learning Approaches for Liver Disease Diagnosing | 2019 | * Bilal Khan * Rashid Naseem * Mumtaz Ali * Muhammad Arshad * Nazir Jan | This is a CHIRP based model for early forecast of liver disease | * Outperforms well in lessening the error rate of evaluation metrics | * Computational multifaceted nature. * Uniqueness   for some theme sets in a direction space |