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Statistical Machine learning approaches to Liver Disease prediction

urinlysis,compplete blood count and comprehensive metabolic panel are expensive.

What do they THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations

when liver disease is diagnosed between infection and fibrosis but before cirrhosis,liver failure will be avoided

unavailability of manpower to manage peoples

Collecting many samples from patients can cost both time and money

liver related disease account for 70% of death worldwide

Machine learning algorithms presented here can support but not an alternative to medical expert.

claim that traditional medical diagnosis can be replaced by ML ,but used for better diagnosis

Methods save time and coss for betterment of people.

Test of liver function available and affordable to patients

What do they HEAR?

what friends say
what boss say
what influencers say

a simulation processs to test the sample and dataset not an medical expert analysis

What do they SEE?

environment
friends
what the market offers

compared Artifical neural network,random forest,and support vector machine

better medical analysis,and useful for other related dieseases

Machine learning algorithms can be trained to detect the possibility of liver disease

the combination use of ML and AI

compared Aritificial neural network,random forest(RF),support vector machine

ML algorithm are new technique to handle hidden problems in medical dataset.

CMP & biopsy to diagnose all forms of liver disease

What do they SAY AND DO?

attitude in public
appearance
behavior towards others

To avoid expensive & invasive test application os statistical ML tecnique &CMP is used

hundred different forms of liver infections

PAIN

fears
frustrations
obstacles

fibrosis,cirrhosis,chronic hepatitis,cause tissue damage,moderate scarring

GAIN

"wants" / needs
measures of success
obstacles

SVM ,RF performed than ANN,Accuracy levels are welll performed

ML,methods can assist health sectors to achieve better diagnosis

ALB is synthesized exclusivelyi in liver in order to be conjugated.

Save time,costs,and potentially lives for betterment of disease diagnosis

reduce many of the limitations that occur inn healthcare associated with inaccuracy in diagnosis