Lung Cancer Detection using Curvelet Transform and Neural Network

Abstract

Throughout the world the common cause of death in humans is lung cancer. It is necessary to detect cancer as early as possible to increase the survival rate. Lung cancer in CT scan images can be classified easily and efficiently using digital image processing techniques. Curvelet transform can extract the features of lung cancer CT scan images proficiently. All extracted feature by curvelet transform are applied to the neural network for training and testing. The performance of proposed work show efficient results.

References

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Index Terms

Computer Science
Artificial Intelligence

Keywords
Lung cancer  Curvelet transforms  Neural Network.