Abstract

The thyroid gland is highly vascular organ and it lies in the interior part of the neck just below the thyroid cartilage. In medical organization, there are many ways to detect the affected interior part of the thyroid gland like CT/MRI and ultrasound imaging. But CT/MRI are expensive techniques as compare to US images. But US images are blurred and consist of noise. In the existing method, to segment the thyroid gland in US images feed forward neural network techniques can be used. In the proposed method, we can improve the US images a new technique will be used.
References

- Sheeja agustin A et al, Thyroid Classification as Normal and Abnormal using SCG based Feed Forward Back Propagation Neural Network Algorithm. , 2013.
- Wei Zheng, Li Zhang and Hua Tian Jie Zhao, segmentation of ultrasound images of thyroid nodules for assisting fine needle aspiration cytology. , 2012.
- B. Gopinath & Dr B. R. Gupta, Majority Voting based Classification of Thyroid Carcinoma. India, 2010.

Index Terms

Computer Science Speech Processing
Keywords
Feed Forward Neural Network  Feature Extraction  Image Processing  thyroid Segmentation  Ultrasound Images.