

ABSTRACT

Vocal cord dysfunction can be directly observed by hoarse voice or the conditions of the vocal cords themselves. Stroboscopy and laryngoscopy are common tools used by doctors to observe the conditions of the vocal cords. Also, vocal cord dysfunction can be characterized by the presence of nodules, swelling and paralysis. These conditions changing the shape of glottis contour on the normal vocal cords. In this study moore neighbor tracing method was used for extracting glottis contour and then the vocal cords parameters can be obtained. The parameters which used for idenyfication are deviation standard and angle of glottis contour. The results of the study can extract the glottis contour, parameters of vocal cords, and decision algorithm.

Keywords : *Contour Tracing, Image Proccessing, Moore Neighbor Tracing, Vocal cords.*