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# Use of Artificial Neural Network for Abnormality Detection in Medical Images

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## Abstract

Cancer is one of the diseases the human race has been battling against. Several researches and technologies are being updated and implemented for the detection and cure of this obliterating disease. The cure of this disease is significantly dependent on its early detection when the tumor is in the early stage and is detectable. Thus, relative classification criteria would benefit the radiologist in determining the malignancy at an early stage. With this view, this current chapter will help the radiologist as well as oncological physician to quickly identify and determine the stage of cancer as well as whether the tumor is being either malignant or benign. The texture feature estimation and morphological analysis have been done with lot of chest X-ray images such as pulmonary nodule (PN), non-pulmonary nodule (NPN) and

▼ Chapter

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