Abstract

Prostate cancer is that starts in the prostate gland. The prostate is a small, walnut sized structure that makes up part of a man’s reproductive system. It wraps around the urethra, the tube that carries urine out of the body. Prostate cancer is the most common cause of death from cancer in men over age 75. Prostate cancer is rarely found in men younger than 40. Current method of screening for prostate cancer carried out through blood test & presence of high PSA lead to a high percentage of false positive result which can be reduced by employing intelligent Artificial Neural Networks. The main aim of our research paper and the parallel undertaking of its practical implementation is to develop a mathematical model to improve prostate cancer detection and staging system and finally to present a deploy ready marketable solution based on the model which can be installed across various screening, centers, hospital and research organization.

References


Index Terms

Computer Science
Artificial Intelligence

Keywords

PSA, ANN, MLP