Abstract

Several chronic disease affects nearly 1.7 billion people worldwide and over 750 million
survivors are at-risk for developing diseases at some point in their life. Early detection of symptoms and management of these symptoms can significantly reduce the potential for symptoms and complications and a mechanism for handling it; however, many patients do not know about these symptoms and fail to seek medical assistance at the first sign of the disease which is most crucial stage. In this research paper, the study will present a method for measuring bone density and for detecting early symptoms associated with several diseases. The proposed system relies on IR imaging sensors, such as in the Microsoft Kinect in Xbox 360. This technique will allow for the future development of tools for self-management and specialist monitoring using machine learning, and when compared to other commercially available devices in the market, our system is least complicated, less expensive, or more reliable/accurate, fast forecaster and much more user-friendly for the user.

References


**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Kinect Sensor  
Symptoms  
Machine Learning  
Patients  
Management Of Symptoms.