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RESEARCH ARTICLE

Decision Support System for Precluding Coronary Heart Disease (CHD)

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Abstract— Cardiovascular diseases (CVD) remains the biggest cause of deaths worldwide and the Heart Disease Prediction at the early stage is importance. Coronary heart disease (CHD) is the leading cause of death for both men and women and accounts for approximately 600,000 deaths in the United States every year. To design a Decision support System for Precluding Coronary Heart Disease (CHD) risk of patient for the next ten-years for prevention. To assist medical practitioners to diagnose and predict the probable complications well in advance. Identifying the major risk factors of Coronary Heart Disease (CHD) categorizing the risk factors in an order which causes high damages such as high blood cholesterol, diabetes, smoking, poor diet, obesity, hyper tension, stress, etc. Data mining functionalities are used to identify the level of risk factors to help the patients in taking precautionary actions to stretch their life span. Primary prevention is recommended as promoting healthy lifestyle and habits through increased awareness and consciousness, to prevent development of any risk factors.

Keywords— Heart disease; Data mining; Coronary Heart Disease (CHD); Risk factors; Clustering

Full Text: <http://www.ijcsmc.com/docs/papers/February2014/V3I2201403.pdf>