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Abstract

Myocardial infarction, commonly known as a heart attack, is a life-threatening medical condition that results from WKH EORFNDJH RI EORRG ÀRZ WR WKH KHDUW PXVFOH 7KLV DUWLFOH SURYLGHV D HQFRPSDVVLQJ LWV FDXVHV ULVN IDFWRUV V\PSWRPV GLDJQRVLV WUHDWPHQV attacks is atherosclerosis, characterized by the accumulation of plaque in the coronary arteries, which can lead to WKH IRUPDWLRQ RI EORRG FORWV DQG VXEVTXHQW REWUXFWLRQ RI EORRG ÀR family history, smoking, hypertension, high cholesterol, diabetes, obesity, and stress, contribute to the likelihood of H[SHULHQFLQJ D KHDUW DWWDFN 5HFRJQL]LQJ WKH V\PSWRPV RI D KHDUW DWWD FUXFLDO IRU SURPSW LQWHUYHQWLRQ DQG LPSURYHG RXWFRPHV 'LDJQRVWLF PH PSU YDUQc0LQWLDP €0HWÀ DQG`0€QR'V`0€QR\]LQV`0WKO`0'LDJQS`v LRY@pA€QG`0€W0APH SURDFWLYH DSSURDFK WR KHDUW KHDOWK HPSKDVL]LQJ WKH SRWHQWLDO @LòQ D SI D DQJ"UWWLYQ SRQWc U-RK IE°€@δp°δ@PpH0 DURDHQfL]Q LQo!@€€P

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discomfort or vomiting.

Cold sweat: Profuse sweating unrelated to exercise or temperature.

Lightheadedness: Feeling dizzy or faint.

It is essential to recognize these symptoms promptly, as early intervention can be life-saving.

Diagnosis of myocardial infarction

Diagnosing a heart attack typically involves a combination of medical history, physical examination, and various diagnostic tests. Some of the tests commonly used include:

Electrocardiogram (ECG or EKG): This test records the electrical activity of the heart, identifying abnormalities associated with a heart attack.

Blood tests: Measuring cardiac biomarkers such as troponin and creatine kinase-MB can help confirm the diagnosis.

Coronary angiography: A procedure using contrast dye and X-rays to visualize the coronary arteries and any blockages.

Echocardiography: An ultrasound of the heart to assess heart function and any structural abnormalities.

Stress testing: To evaluate heart function and aural apes promptly, d 775 -1.262ealm-1eallth. Undablth th cT1_1 1 Tffof ory i the