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"A METHOD OF DERIVING CENTRAL AORTIC SYSTOLIC PRESSURE AND A METHOD OF ANALYSING ARTERIAL WAVEFORM DATA TO DERIVE CENTRAL AORTIC SYSTOLIC PRESSURE VALUES"

Abstract

A method of deriving central aortic systolic pressure comprising the steps of:

a) creating a set having a predetermined number of blood pressure measurements, the set representative of an arterial waveform;

b) determining an integer interval value;

c) averaging a series of consecutive blood pressure measurement readings in the set equal to the integer interval value commencing from the fth blood pressure measurement in the set;

d) storing the averaged value in a central aortic systolic pressure set; and

e) setting the central aortic systolic pressure as the highest value in the central aortic pressure set,

where steps c. and d. are repeated with the value of *f* being incremented by 1 each time until the value of *f* plus the integer interval value equals the predetermined number of blood pressure measurements in the set.

FIGURE 1

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