NON-INVASIVE VENOUS WAVEFORM ANALYSIS FOR EVALUATING A SUBJECT

ABSTRACT

An example method includes (a) generating, via a sensor of a computing device, a signal representing vibrations originating from a blood vessel of a subject, where the vibrations are indicative of heart beats and/or respirations of the subject; (b) using the signal to determine first times elapsed between respective pairs of consecutive heart beats indicated by the vibrations and/or second times elapsed between respective pairs of consecutive respirations indicated by the vibrations; and (c) using the determined first times elapsed to determine a heart rate variability of the subject and/or the determined second times elapsed to determine a respiration rate variability of the subject.

FIG. 4