

ABSTRACT

CAROTID PHYSIOLOGICAL PARAMETER MONITORING SYSTEM

The present invention provides a carotid physiological parameter monitoring system, comprising: an electrocardiographic (ECG) monitoring device, a carotid pulse wave detector, and at least one controller. The ECG monitoring device is disposed on a user's left and right wrists or on the user's chest to obtain ECG waveforms. The carotid pulse wave detector is disposed on the user's neck at a position corresponding to the user's carotid arteries for obtaining carotid pulse waveforms. The controller is provided in at least one of the ECG monitoring device, the carotid pulse wave detector, and a mobile device, wherein the controller is configured to obtain the user's carotid physiological parameter(s) (which may include carotid pulse wave velocity or carotid blood pressure) by calculating with the ECG waveforms and/or the carotid pulse waveforms.

(FIG. 2)