

Title (en)
MEASUREMENT OF PULSE WAVE VELOCITY

Title (de)
MESSUNG DER PULSWELLENGESCHWINDIGKEIT

Title (fr)
MESURE DE LA VITESSE D'UNE ONDE PULSEE

Publication
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Application
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Abstract (en)
[origin: WO2007023426A2] An apparatus is described to measure pulse wave velocity, PWV, along a pathway in the cardiovascular system of a subject and comprising a first sensor coupled to a processor, a second sensor coupled to the processor, the processor arranged to calculate the PWV from measured and calculated values of the sensors. At least one sensor is a transducer arranged to emit electromagnetic signals at a certain frequency and detect doppler shifted reflected electromagnetic signals representative of a pulsatile motion occurring at the respective position in the cardiovascular system. The transducer can be applied directly to the skin, or can be applied to clothing covering skin, and allows the calculation of pulse wave velocity, PWV, without the use of acoustic gel.

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