

Abstract

Measuring device for non-invasively detecting the intracranial pressure pulsation of a patient, comprising a holding device which can be detachably attached to the outside of the patient's skull in a force-fitting and/or form-fitting manner, at least one bimorph bending sensor arranged in or on the holding device, an analog signal amplifier for amplifying the measurement data provided by the bimorph bending sensor, an A/D converter for converting the analog measurement data into digital data, and a computing unit for preprocessing the data and calculating vital parameters such as intracranial pressure based on the digital data. In addition, an associated method for non-invasive detection of intracranial pressure pulsation is described.

Fig. 18 accompanies abstract