

Abstract

The invention relates to a method for a noninvasive determination and/or
5 monitoring of the intracranial compliance of a biological material (02),
comprising:

- a) performing an acoustic spectroscopy of the biological
material (02), the biological material (02) being a human or an animal
skull; and
- 10 b) comparing the acoustic transmitting signals with the corresponding
acoustic receiving signals, a function in n-dimensions, which is
characteristic for the biological material (02), and the time-of-flight
values being determined; and
- c) determining the expansion of the biological material (02), the
15 linear expansion and/or volume expansion of the biological material (02)
being measured, and
- d) determining the intracranial compliance of the biological
material (02) based on the comparisons drawn in step b) and the
measurement carried out in step c). The invention also relates to a device
20 for a noninvasive determination and/or monitoring of the intracranial
compliance of a biological material (02).

(Fig. 1)