

Non-invasive deep brain acoustic [thermometry](#) is carried out for two patients at Burdenko Neurosurgery Institute. This method is based on the measurements of the own thermal [acoustic radiation](#) of the investigated object. These two patients have got the brain injury. Some of their skull bones are absent. Infrared thermometry was also used to measure the surface temperature of the forehead skin. On the basis of the experimental data the temperatures deep within the brain were reconstructed. The values for the two patients are equal to 37.3 0.7 and 37.0 0.3 degrees C ¹⁾.

¹⁾

[Acoustic thermometry of the patient brain with traumatic brain injury]. Biofizika. 2014 May-Jun;59(3):545-51. Russian. PubMed PMID: 25715599.

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