Development of a Novel Autonomous Non-Invasive Absolute Intracranial Pressure Measurement Device Based on Ultrasound Doppler Technology

Results in Brief

Non-invasive intracranial pressure measurement

Traumatic brain injury is a major cause of permanent disability in people under the age of 40 years. The development of a non-invasive system to measure intracranial pressure (ICP) will greatly facilitate neurosurgical assessment.

ICP is a vital sign in neurological diagnosis and monitoring because of its importance in intracranial dynamics. Patients suffering from neurological diseases or brain injuries undertake ICP measurement for prognosis and therapy. Raised ICP is the
Intracranial pressure, traumatic brain injury, ultrasound Doppler, ophthalmic artery
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