

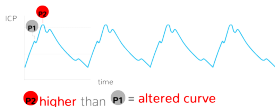
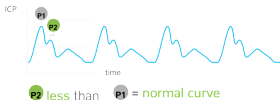


brain4care

monitor the intracranial pressure pulse morphology (waveform) both in visual and numerical² formats.

- non-invasive
- on bedside
- real time
- affordable
- no radiation emission
- as often as necessary (continuously or sporadic)

allows the physicians to interpret changes in intracranial pressure and compliance



¹ Nucci CG, De Bonis P, Mangiola A, Santini P, Sciarone M, Risi A, et al. Intracranial pressure wave morphological classification: automated analysis and clinical validation. Acta Neurochir (Wien). 2016;158: 581-8. doi:10.1007/s00701-015-2672-5

² Numerical information of the ICP waveform is a feature of our wireless sensor version which has not been evaluated nor cleared by the FDA.



wireless version has not been evaluated by FDA
nor cleared for commercial use in the US



wired version
510k cleared

most common use:

Assistance in initial patient assessment with ICP waveform information to interpret changes in compliance and intracranial pressure.

Subsequent monitoring and evolution of patient's clinical condition over time, using P2 / P1 visual interpretation as an additional indicator in multimodal assessment

ICP waveform information for interpretation (already in clinical studies):

In patients with hydrocephalus this technology may assist in the following situations:

- Detect CSF shunt valve malfunction via ICP waveform interpretation;
- Flow regulation of programmable CSF shunt valves via ICP waveform interpretation;
- Evaluate symptoms of altered intracranial compliance via waveform interpretation, that may need surgical procedure or that may only need clinical observation at home