



Finapres Medical Systems

Neurology

non-invasive hemodynamics



Validated, connected and patented hemodynamic solutions

For over 30 years Finapres systems have been used by neurologists and researchers to better understand autonomic failure, syncope and baroreflex sensitivity (BRS). Many studies using Finapres systems have been performed to show subjects' neurological reactions to changing conditions, such as autonomic failure. The Finometer® and Portapres® systems are proven tools for diagnosing syncope in patients and for documenting progress due to treatment.

Insight in your patients baroreflex sensitivity

Baroreflex sensitivity (BRS) is an important parameter in, for example, essential hypertension, obesity, pregnancy and symptomatic carotid artery disease. The Finometer® and Portapres® systems are easily and accurately used to assess a patient's BRS. The hemodynamic parameters are obtained by non-invasive beat-to-beat blood pressure measurements in combination with powerful algorithms within our BeatScope® software.

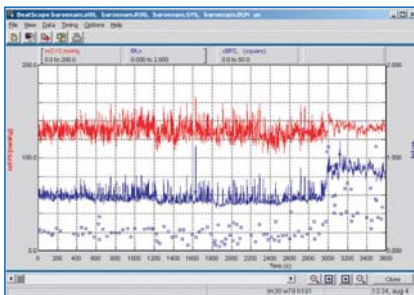


FIGURE 1 - shows offline systolic blood pressure (red), inter beat interval (blue) and baroreflex sensitivity (xBR) during a tilt table test.

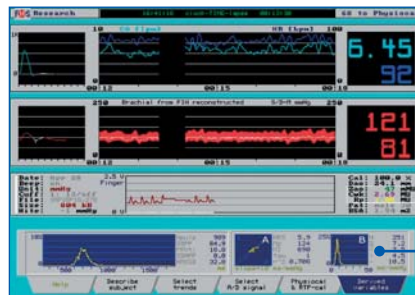
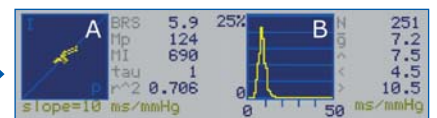


FIGURE 2 - shows BRS as implemented in the Finometer® PRO.





Neurology

Verifying vasovagal syncope easily

Head-up tilt table (HUT) testing is one of the most common ways to diagnose vasovagal syncope (fainting) especially when earlier diagnoses have been uncertain. Patients suffer generally from a combination of two reactions: a drop in heart rate followed by a drop in blood pressure (cardioinhibitory response) and/or a drop in blood pressure due to arterial dilatation (vasodepressor response). Both reactions can be monitored and analyzed using our Finometer® or Portapres® systems.

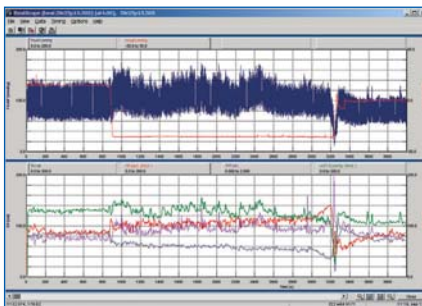


FIGURE 3 - provides a tilt table test showing stroke volume (blue), heart rate (red), and total peripheral resistance (purple) before, during and after tilting.

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