WR TestWorks™

Autonomic and Peripheral Testing Labs and Software

Manage all your autonomic and QST testing data with our comprehensive software program and reliable acquisition systems.

CREATE A LAB THAT IS...

MODULAR

Start with one module and easily add others to your system later. Modules include Q-Sweat, CASE QST, simple cardiac (sympathetic adrenergic), and advanced cardiac (parasympathetic cardiovagal and sympathetic adrenergic).

TURN-KEY

Labs include all items needed for successful patient testing, such as tilt table, breathing cue, valsalva device, etc. On-site installation and training provided for USA and Canada.

CUSTOM

We provide the acquisition systems or work with equipment you already own. WR Medical Electronics is an authorized dealer of the Finometer in the USA.

WR TestWorks interfaces with the following devices:

Q-Sweat (Quantitative Sweat Measurement System)
Measures sweat rate and volume from 4 sites simultaneously. Parameters measured include sweat rate and total volume, response latency, and end comparison to baseline.

CASE (Computer Aided Sensory Evaluator)
Measures peripheral sensory thresholds. Parameters measured include vibration detection threshold, cooling detection threshold, and heat-as-pain thresholds (pain onset, mid-range level of pain, and tolerance to increasing levels of pain).

FMS Finometer
Measures continuous non-invasive beat-to-beat blood pressure from the finger, with brachial pressure waveform reconstruction. Parameters measured include beat-to-beat systolic, diastolic, and mean blood pressure, and analog BP.

Ohmeda Finapres

IVY Biomedical ECG Monitor

Colin Pilot and Colin 7000

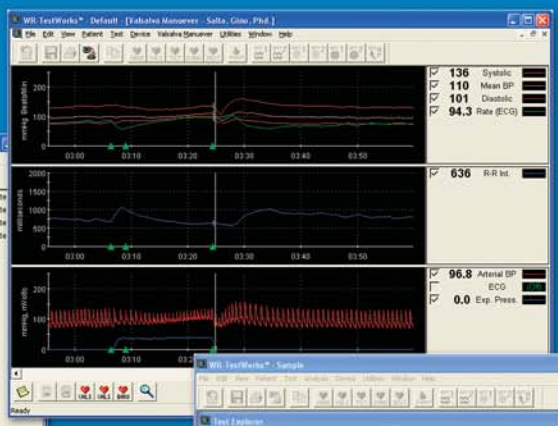
- Dynamically record sweat rate and volume data from 4 sites simultaneously and compare to published norm.
- Automated test routines are standardized, and time efficient. Results are expressed as percentiles and normal deviates.
- Record, display, save, and analyze heart-rate and R-R with corresponding BP data during Valsalva maneuver, HRDB, and head-up tilt.

WR Medical Electronics Co.

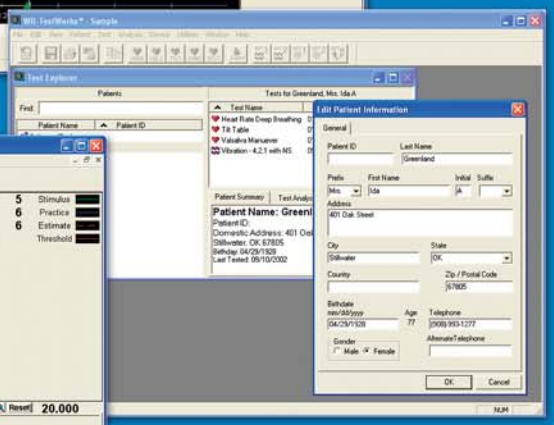
- Automated point selection and analysis, with override capabilities.
- On-screen, dynamic recordings of valsalva pressure and chest expansion.
- Normative data for CASE, Valsalva, and HRDB, are provided at no additional charge, courtesy of Dr. Peter Dyck (QST) and Dr. Phillip Low (autonomic), Rochester, MN.
- Customizable HTML report format

Q-Sweat Test Screen

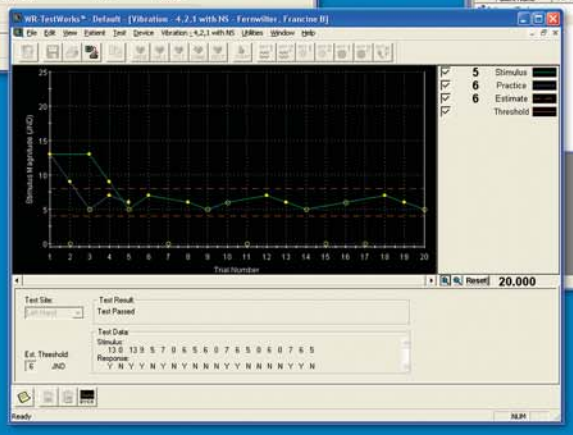
Cardiovagal Test Screen



Patient Database



Case IV Test Screen



Quality and Safety

ISO 9001:2000
ISO 13485:2003

Selected References

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Low, PA; Mathias, CJ. "Quantitation of Autonomic Impairment," in Peripheral Neuropathy: 4th Edition, Dyck, PJ; Thomas, PK, editors. Elsevier Saunders Inc., 2005, Chapter 44, pages 1103-1134.

Low, PA; Zimmerman, IR. "Development of an Autonomic Laboratory," in Clinical Autonomic Disorders: Evaluation and Management, 2nd Edition, Low, PA, editor. Lippincott-Raven, 1997, Chapter 29, pages 383-390.

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American Academy of Neurology. "Assessment: Clinical Autonomic Testing," Report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology,1996. Published in Neurology 1996;46:873-880.

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