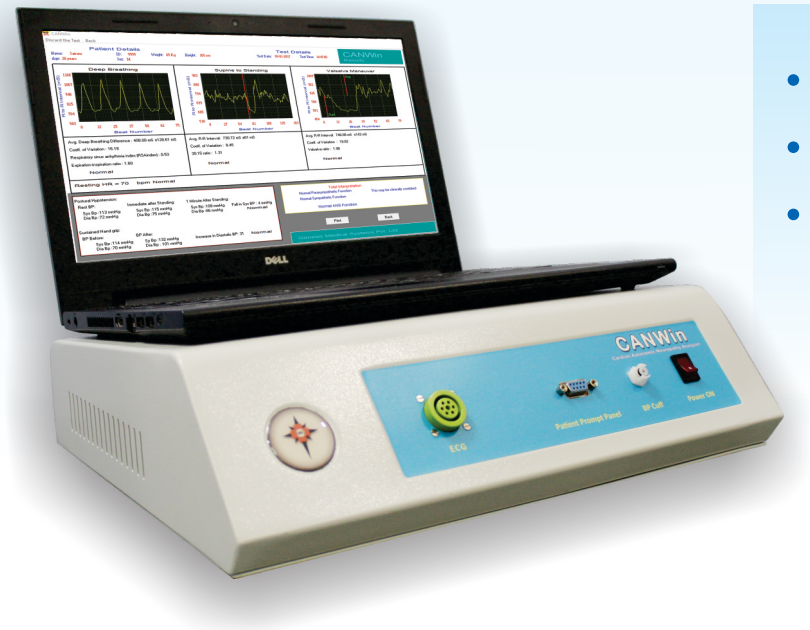
CANWin™

PC Windows* based Cardiac Autonomic Neuropathy Analysis System



- **Parasympathetic Nervous System**
- **Sympathetic Nervous System**
- **Tests as per Dr. Ewing's Protocol**

CANWin is state-of-the-art PC Windows* based Cardiac Autonomic Neuropathy (CAN) Analysis System with interpretation.

It analyses both Sympathetic and Parasympathetic autonomic nervous system response of the patient. The system uses TachoCardioGram (TCG) and automatic NiBP to conduct a battery of six tests.

Being fully automatic, CANWin eliminates the need of manual recordings, readings and calculations. Since these tests require patient co-operation, a unique patient prompt panel is provided which helps the patient intuitively. Inbuilt time domain waveform analysis and BP measurements make the task of conducting all six CAN tests very easy. Full disclosures of all TCG based tests depict the validation of conducted tests. CANWin provides a simple & comprehensive solution of the otherwise arduous task for evaluation of CAN.

Windows* based CANWin software & USB port communication with the handy CANWin instrument turns any PC into a full-fledged Cardiac Autonomic Neuropathy Analysis system, with online real time graphs on screen. It gives a multicolor / B&W two-page report on A4 size paper. In-built patient database with more than 1000 patients memory helps to keep track of patient history. All at your mouse clicks in a very user-friendly CANWin software.

FEATURES

- Ewing Battery of 6 tests to check sympathetic & Parasympathetic CNS function
- Automatic and precise R-peak detection and RR interval calculation
- Full ECG disclosure of each test
- Automatic blood pressure measurement with predetermined protocol
- Works with Windows* 7 / 8 / 10 operating system
- Easy to operate software

TECHNICAL SPECIFICATIONS$

Blood Pressure
Method: Oscilometric
Pressure Detection: Semiconductor sensor
Pressure Display Range: 40 - 240 mm Hg
Heart Rate Range: 30 - 240 bpm
Continues ECG Waveform
Sensing: 4 electrode method
Test Method: 6 tests conducted sequentially/optionally

Database

MSAcess Easy Recall of any previous test

Data Acquisition

Channels: Blood Pressure, ECG
Sampling rate: 500 samples/sec ECG
Resolution: 12 bit
Data storage: Raw data on HDD
Interface: USB

Physical Characteristics

Instrument Dimensions: 400 mm x 360 mm x 105 mm
Approximate Instrument Weight: 5.5 kg

Power Requirements

Voltage 230 VAC ± 10%
Frequency 50 Hz, Power Consumption 1.0 A maximum

Minimum PC Requirements

OS : Windows* 7 / 8 / 10
CPU : Celeron* 1.8 GHZ / i3 / i5 or better processor
HDD : 500GB
RAM : 2GB
Printer : Any Windows* Compatible Inkjet / Laser Jet Printer

ENVIRONMENT REQUIREMENTS

Operating and storage Temp. 15°C to 45°C
Ambient Relative Humidity 15% to 90%, non- condensing
Operating and storage Pressure/Altitude 523 mm Hg to 760 mm Hg

$ Specifications are subject to change without prior notice
* Laptop optional
* All regd. Trademarks are acknowledged to their respective owners.

RESULTS

Parasympathetic:

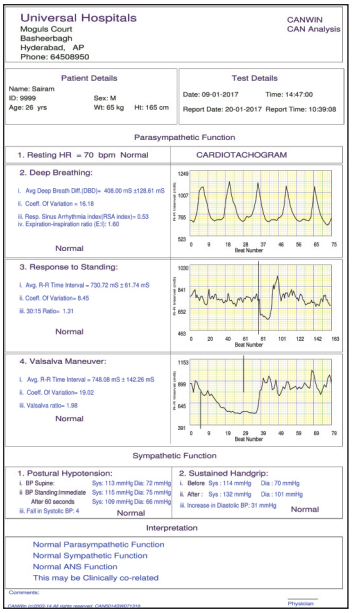
1.Resting ECG:
Resting HR
2.Deep Breathing:
Deep Breathing Difference
Coeff. Of Variation
Respiratory Sinus Arrhythmia Index
Expiration Inspiration Ratio
3.Supine to Standing:
R-R Interval
Coeff. Of Variation
30:15 Ratio
4.Valsalva Maneuver:
R-R interval
Coeff. Of Variation
Valsalva Ratio

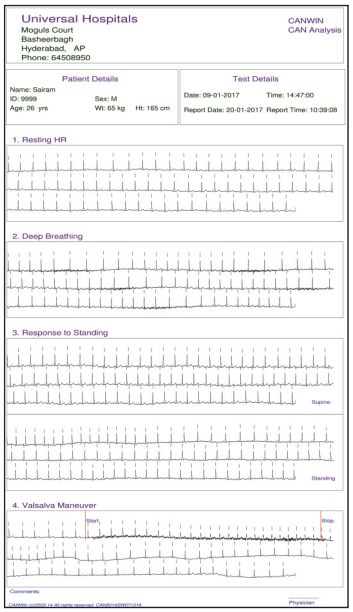
Sympathetic:

5.Postural Hypotension:
Resting BP
BP immediately after standing
BP 1 minute after standing
Fall in Sys BP
6.Sustained Handgrip:
Resting BP
BP after sustained handgrip Increase in Dia BP

Interpretation:

Parasympathetic Function
Sympathetic function
Cardiac Autonomic Neuropathy





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