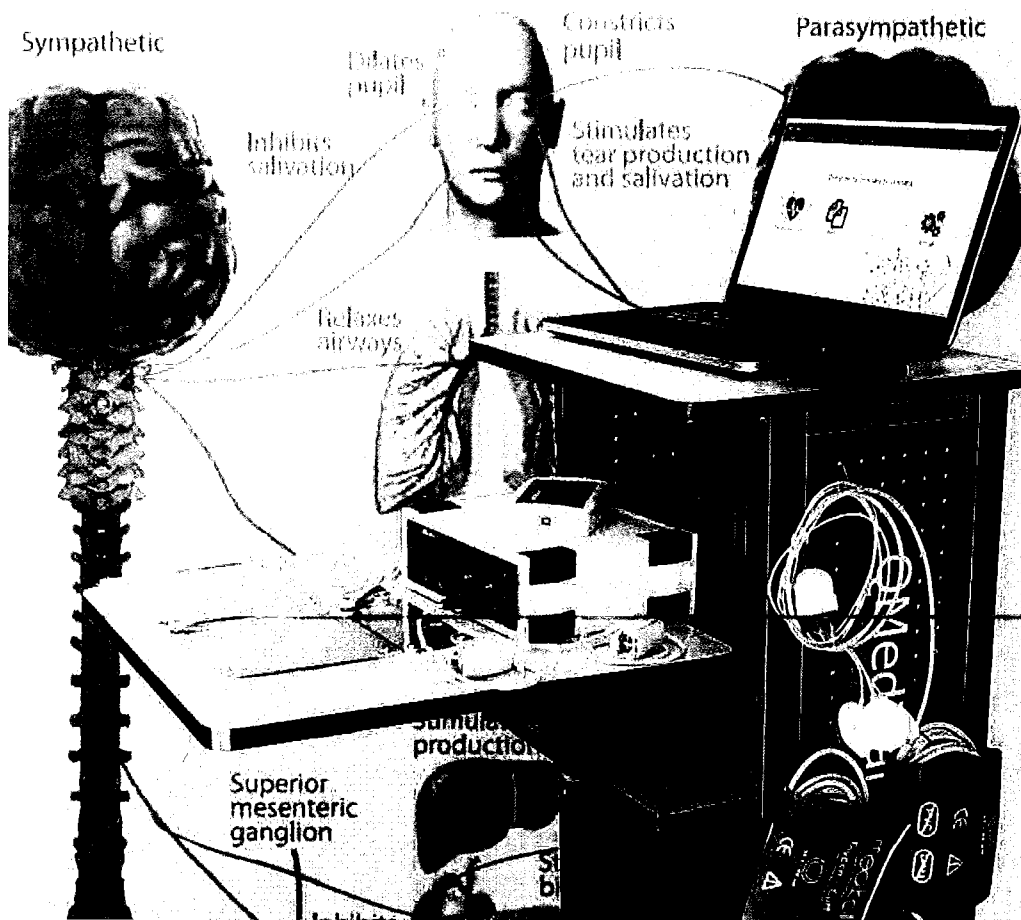


# Autonomic Nervous System



## Comprehensive Non-Invasive System Includes:

- Autonomic Balance Analysis
- Cardiovascular Pulse Wave Velocity Analysis
- ECG Analysis
- Cardiovascular Fitness Analysis
- Metabolic Report
- Arterial Vascular Assessment
- Peripheral Arterial Tone

## QANS Assessment System include

- QANS-QHRV Device
- Laptop
- Proprietary Software
- 3 Lead ECG
- Pulse wave SpO2 Finger Probe
- Printer

Testing of Arterial Circulation  
and the Autonomic Nervous  
System accepted by most  
private and public insurance.

## A CLINICAL POWERFUL EASY TO USE NON-INVASIVE SYSTEM

### In 15 Minutes Identify Patients At Risk

for Sudden Death, Silent Heart Attack, Hypertension Cardiac Autonomic Neuropathy, Diabetic Autonomic Neuropathy, Vascular Abnormalities, Orthostatic Hypotension, Syncope and other Hidden Diseases Testing of the Autonomic Nervous System is a Recommended Standard of Care by the American Diabetes Association for patients with Type 1 and Type 2 diabetes



FDA 510K Cleared

Finally, the new break-through  
technology you have been  
waiting for.

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Wellness Medical Devices  
844-783-6722

# SUDOMOTOR ANALYSIS OVERVIEW

- Small unmyelinated C-fibers are responsible for the function of sweat glands
- Sudomotor dysfunction has been established as one of the earliest detectable neurophysiologic abnormalities in distal small fiber neuropathies.
- As an index of the severity and distribution of automatic failure, quantitative assessment of sweat response has been proposed. It will also serve as an early indicator for regeneration of small fibers.
- Diabetic patients have been observed to experience a degeneration of small C-fiber innervating sweat glands
- SudoCheck measures bio electrochemical sweat skin conductances (BEC), which are directly connected to the capability of the glands to transfer chloride ions and which reflects small-C fiber status.
- SudoCheck is a fast and easy method to measure sweat function.

## ADVANTAGES

- Analyze and test SudoCheck's responsiveness and accuracy in detecting diabetic neuropathy and compare it with existing standardized tests for the diagnosis of diabetic neuropathy.
- Evaluate SudoCheck in patients with Diabetes Mellitus, as an instrument to assess autonomic neuropathy and neuropathic pain.
- SudoCheck is an innovative, sensitive tool for the detection of diabetic neuropathy, especially painful diabetic neuropathy. As sweat glands are innervated by small c fibers, which are also involved in pain pathways, precise measuring of the sweat gland function can identify that cause.
- SudoCheck, a sensitive device to detect neuropathy in patients with diabetes mellitus, operates with a very high sensitivity and a specificity.
- When compared to non-painful neuropathy, feet BEC was significantly decreased in patients with painful diabetic neuropathy.
- These results suggest that the peripheral autonomic nervous system plays a role in painful diabetic neuropathy.
- SudoCheck results correlated significantly with clinical neuropathy scores, pain scores and measures of autonomic dysfunction.



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## SUDOCHECK SYSTEM

# A CLINICAL POWERFUL EASY TO USE NON-INVASIVE SYSTEM

### In 15 Minutes Identify Patients At Risk

Small nerve fibers are the very first victims of diabetes, which is known to affect the peripheral nervous system even symptoms remain sub-clinical. According to a recent study, already at an early stage of the diabetes evolution, the sympathetic innervation of eccrine sweat glands is progressively reduced. Irrespective of temperature and physical exercise, this alteration of the sweat glands' autonomous control causes a long-lasting shift in the ionic balance of sweat conducts.



### Comprehensive Non-Invasive System Includes:

- Quantitative Sudomotor Axon Reflex Test (QSART)
- Sudomotor sympathetic skin potential
- Sympathetic Skin Response (SSR)
- Bioelectric Impedance Analysis (BIA)
- Electro Interstitial Scan

### SudoCheck Assessment System include

- SudoCheck Device
- Laptop
- Proprietary Software
- Two Plates for hands and feet
- Printer

Testing of the Sudomotor Autonomic Nervous System accepted by most private and public insurance.

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